

CENTERS FOR DISEASE CONTROL

# **MMWR**

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- 1 Summaries of Notifiable Diseases in the United States, 1989
- 13 Graphs and Maps for Selected Notifiable Diseases in the United States
- 51 Historical Summary Tables Covering the Period 1940-1989

## **Summary of Notifiable Diseases, United States 1989**

**U.S. Department of Health and Human Services  
Public Health Service  
Centers for Disease Control  
Epidemiology Program Office  
Atlanta, Georgia 30333**



**CDC**  
CENTERS FOR DISEASE CONTROL

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## Foreword

### ***MMWR* Summary of Notifiable Diseases, United States, 1989**

This publication contains summary tables of the official statistics for calendar year 1989 from the National Notifiable Diseases Surveillance System (NNDSS) on the occurrence of notifiable diseases in the United States.

Part 1 contains information on morbidity for each of the 49 currently notifiable conditions. The tables show the number of cases of notifiable diseases reported to the Centers for Disease Control (CDC) for 1989, as well as the distribution of cases by month, geographic location, and patient's age.

Part 2 contains graphs and maps depicting summary data for many of the notifiable conditions described in tabular form in Part 1.

Part 3 includes tables showing the number of cases of notifiable diseases reported to CDC and to the National Office of Vital Statistics for the past 50 years. It also has a table of deaths associated with specified notifiable diseases reported to the National Center for Health Statistics, CDC, for the period 1978-1987.

This statistical summary is the final publication in volume 38 of the *MMWR* series.

## Data Sources

Data on the reported occurrence of notifiable diseases are routinely published in the *MMWR* and compiled in final form in this summary from annual reports submitted by the state and territorial departments of health.

Notifiable disease reports published in the *MMWR* are the authoritative and archival counts of cases. Data from surveillance records for selected diseases, which are useful for detailed epidemiologic analyses, are published on a periodic basis.

The Epidemiology Program Office gratefully acknowledges the CDC units listed below for their contributions of statistical data from surveillance program records. Requests for further information regarding these data should be directed to the appropriate source.

### Center for Infectious Diseases

- AIDS Program (acquired immunodeficiency syndrome)

- Division of Bacterial Diseases (toxic-shock syndrome)

- Division of Vector-Borne Viral Diseases (arboviral infections of the central nervous system)

- Division of Viral Diseases (animal rabies)

### Center for Prevention Services

- Division of Quarantine (cholera and plague)

- Division of Tuberculosis Control (tuberculosis)

- Division of Sexually Transmitted Diseases (gonorrhea, syphilis, chancroid, granuloma inguinale, and lymphogranuloma venereum)

### National Center for Health Statistics

- Division of Vital Statistics (deaths from selected notifiable diseases)

Totals for the United States, unless otherwise stated, do not include data for American Samoa, Guam, Puerto Rico, the Virgin Islands, and the Commonwealth of the Northern Mariana Islands (CNMI). Data for American Samoa, Guam, and CNMI were reported by the International Center for Health Promotion and Disease Prevention Research, School of Public Health, University of Hawaii, Honolulu, Hawaii.

Data in this summary should be interpreted with caution. Some diseases such as plague and rabies that cause severe clinical illness and are associated with serious consequences probably are reported quite accurately. However, diseases such as salmonellosis and mumps that are clinically mild and infrequently associated with serious consequences are less likely to be reported. Additionally, subclinical cases are seldom detected except in the course of special studies. The degree of completeness of reporting is also influenced by the diagnostic facilities available, the control measures in effect, and the interests and priorities of state and local officials responsible for disease control and surveillance. Finally, factors such as the introduction of new diagnostic tests (e.g., for hepatitis B) and the discovery of new disease entities (e.g., infant botulism and legionellosis) may cause changes in disease reporting independent of the true incidence of disease. Despite these limitations, the data in this report have proven to be useful in analyzing trends.

Mortality data are from the National Center for Health Statistics. Each year these data are also published in *Vital Statistics of the United States, Vol. II*.

Data on notifiable diseases before 1960 are obtained from publications of the National Office of Vital Statistics.

Data for the 1989 resident population of states and territories are from the U.S. Bureau of the Census, *Current Population Reports*, Series P-25, No. 1058, *State Population and Household Estimates: July 1, 1989. Estimates for the resident population, by age, sex, and race, are from Series P-25, No. 1057, United States Population Estimates by Age, Sex, Race and Hispanic Origin: 1989.*

Population data from states in which diseases were not notifiable or not available were excluded from rate calculation. Rates in the *1989 Summary of Notifiable Diseases* were based on data for the resident population except for chancroid, gonorrhea, granuloma inguinale, lymphogranuloma venereum, and syphilis, for which only data for the civilian resident population were used.

#### EXPLANATION OF SYMBOLS USED IN TABLES

Data not available .....	NA
No reported cases .....	—
Report of disease not required by state health department (not notifiable) .....	NN



# **PART 1:**

**Summaries of  
Notifiable Diseases  
in the United States**





# NOTIFIABLE DISEASES — Summary of reported cases, by month

Disease	Total	Jan.	Feb.	Mar.
Acquired Immunodeficiency syndrome (AIDS)*	33,722	2,320	2,745	2,827
Amebiasis	3,217	201	225	232
Anthrax	-	-	-	-
Asseptic meningitis	10,274	331	353	306
Botulism, total†	89	7	9	10
Botulism, food-borne	23	-	2	3
Botulism, infant	60	7	5	6
Brucellosis	96	4	5	9
Cholera	-	-	-	-
Diphtheria	3	-	-	-
Encephalitis, primary infections	981	50	51	47
Encephalitis, post-infectious	88	4	3	12
Gonorrhea‡	733,151	(174,841)	(174,841)	(174,841)
Hepatitis A	35,021	2,428	2,848	3,097
Hepatitis B	23,419	1,530	1,661	2,065
Hepatitis, non-A non-B	2,529	209	226	267
Hepatitis, unspecified	2,306	226	241	230
Legionellosis	1,190	52	83	74
Leprosy	163	9	20	10
Leptospirosis	93	12	9	8
Malaria	1,277	72	100	88
Measles (rubeola)	19,193	963	1,179	1,366
Meningococcal infections, total	2,727	202	310	360
Civilian	2,726	202	310	360
Military	1	-	-	-
Mumps	5,712	502	430	516
Pertussis	4,157	187	140	162
Plague	4	-	-	-
Poliomyelitis, paralytic§	5	1	-	-
Psittacosis	116	7	5	9
Rabies, human	1	-	1	-
Rheumatic fever	144	10	7	6
Rubella (German measles)	386	25	21	28
Rubella congenital syndrome	3	-	2	-
Salmonellosis (excl. typhoid fever)	47,812	2,371	2,178	2,481
Shigellosis	25,010	1,759	1,548	1,804
Syphilis, primary & secondary ¶	44,540	3,171	3,272	3,643
Syphilis, congenital <1 year	859	14	35	19
Tetanus	53	6	2	3
Toxic-shock syndrome	400	23	24	45
Trichinosis	30	-	-	1
Tuberculosis	23,495	1,134	1,473	1,896
Tularemia	152	6	2	2
Typhoid fever	460	21	33	31
Typhus fever	-	-	-	-
Flea-borne (endemic, murine)	41	1	-	1
Tick-borne (Rocky Mountain spotted)	623	3	12	2
Varicella (chickenpox)	185,441	18,668	21,659	26,883

\* AIDS total updated through December 31, 1989.

†Includes wound and unspecified botulism.

‡Civilian cases only.

§Subject to change due to retrospective case evaluations or late reports.



# month, United States, 1989

	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	3,195	2,767	2,594	2,595	3,354	3,020	3,056	2,717	2,532	-
	251	261	295	257	291	269	255	307	373	-
	-	-	-	-	-	-	-	-	-	-
	381	470	710	967	1,381	1,995	1,478	939	963	-
	6	4	8	10	2	10	6	8	9	-
	-	-	-	9	-	3	3	3	-	-
	-	4	7	1	2	7	3	5	8	-
	5	-	-	-	-	-	-	-	-	-
	8	15	8	15	6	6	6	5	8	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	1	-	1	-	-	1	-
	50	53	44	82	117	154	136	85	112	-
	2	7	8	8	8	5	7	5	18	-
	170,605	-	-	-	199,605	-	-	168,100	-	-
	2,775	2,901	2,947	2,673	2,947	3,284	3,104	3,208	3,609	-
	2,071	1,988	1,975	2,011	1,967	1,981	1,794	1,859	2,517	-
	245	185	205	207	187	191	198	152	257	-
	179	209	160	133	171	184	150	198	225	-
	69	57	78	134	115	148	133	80	167	-
	15	14	11	18	11	13	11	18	13	-
	4	15	5	4	4	3	9	17	3	-
	97	109	109	128	138	160	111	70	95	-
	1,798	1,946	1,640	1,319	1,531	1,599	1,019	1,158	2,675	-
	355	241	185	190	152	129	148	204	251	-
	355	241	185	190	151	129	148	204	251	-
	-	-	-	-	1	-	-	-	-	-
	612	634	516	399	239	335	364	441	724	-
	163	369	240	462	578	498	361	446	551	-
	-	-	3	-	-	1	-	-	-	-
	-	-	-	1	-	1	1	-	1	-
	-	-	-	4	10	8	6	4	29	-
	10	9	15	-	-	-	-	-	-	-
	-	-	7	-	20	7	11	12	30	-
	13	12	7	8	-	-	-	19	32	-
	56	44	64	37	24	23	23	1	-	-
	-	-	-	-	-	-	-	1	-	-
	2,804	2,909	3,969	5,079	5,843	6,449	5,292	3,946	4,488	-
	1,766	1,933	1,915	2,261	2,501	2,643	2,309	2,198	2,373	-
	3,610	3,443	3,560	4,113	3,789	4,018	4,422	3,624	3,875	-
	11	30	46	88	46	92	66	41	186	-
	6	4	9	3	2	2	3	6	7	-
	37	30	31	33	24	39	35	26	53	-
	6	3	4	1	1	-	3	8	3	-
	1,756	1,908	2,097	1,802	2,060	1,946	1,948	1,945	3,450	-
	5	10	19	32	29	15	12	3	17	-
	31	31	40	38	71	58	44	33	29	-
	-	-	-	-	-	-	-	-	-	-
	1	4	7	4	7	2	6	4	4	-
	14	41	94	114	90	125	50	29	49	-
	30,336	33,377	22,583	5,449	2,067	1,699	3,473	7,143	12,104	-

SUMMARY TABLES - 1989

## SUMMARY TABLES — 1989

## NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1989

Area	Total Resident Population (in Thousands)	AIDS	Amebiasis	Aseptic Meningitis	Botulism		
					Food-borne	Infant	Other
United States	248,238	33,722*	3,217	10,274	23	60	8†
New England	13,047	1,399	148	547	-	-	1
Maine	1,222	66	6	31	-	-	-
N.H.	1,107	37	12	57	-	-	-
Vt.	567	20	5	45	-	-	-
Mass.	5,913	757	72	171	-	-	1
R.I.	998	88	6	120	-	-	-
Conn.	3,239	431	47	123	-	-	-
Mid. Atlantic	37,726	9,319	394	1,415	5	2	-
N.Y. (Excl. NYC)	17,950‡	1,381	66	815	3	-	-
N.Y.C.	NA	4,629	255	199	-	1	-
N.J.	7,736	2,232	39	-	2	-	-
Pa.	12,040	1,077	34	601	-	-	-
E.N. Central	42,298	2,600	238	2,059	-	3	1
Ohio	10,907	479	21	663	-	2	1
Ind.	5,593	353	28	280	-	-	-
Ill.	11,658	1,135	54	461	-	-	-
Mich.	9,273	503	45	520	-	-	-
Wis.	4,867	130	90	135	-	1	-
W.N. Central	17,951	836	119	574	-	-	-
Minn.	4,353	176	43	96	-	-	-
Iowa	2,840	96	27	85	-	-	-
Mo.	5,159	444	19	223	-	-	-
N. Dak.	660	8	4	16	-	-	-
S. Dak.	715	4	1	14	-	-	-
Nebr.	1,611	33	6	30	-	-	-
Kans.	2,513	115	19	110	-	-	-
S. Atlantic	43,115	7,132	267	2,057	-	2	-
Del.	673	80	9	84	-	-	-
Md.	4,894	726	10	235	-	1	-
D.C.	604	500	-	30	-	-	-
Va.	6,098	392	24	417	-	1	-
W. Va.	1,857	53	3	95	-	-	-
N.C.	6,571	447	13	221	-	-	-
S.C.	3,512	327	NN	41	-	-	-
Ga.	6,436	1,106	80	140	-	-	-
Fla.	12,671	3,501	68	794	-	-	-
E.S. Central	15,466	781	36	702	-	4	1
Ky.	3,727	113	15	225	-	-	1
Tenn.	4,940	266	NN	120	-	3	-
Ala.	4,118	216	10	249	-	1	-
Miss.	2,621	166	8	108	-	-	-
W.S. Central	27,002	3,160	189	1,065	-	5	-
Ark.	2,406	77	10	96	-	-	-
La.	4,382	510	16	89	-	1	-
Okla.	3,224	168	4	84	-	-	-
Tex.	16,991	2,405	159	836	-	-	-
Mountain	13,513	1,124	110	333	2	6	-
Mont.	806	13	2	6	-	-	-
Idaho	1,014	23	13	2	-	2	-
Wyo.	475	16	2	10	-	-	-
Colo.	3,317	382	25	161	-	-	-
N. Mex.	1,528	93	6	14	2	2	-
Ariz.	3,556	331	48	101	-	-	-
Utah	1,707	73	12	25	-	1	-
Nev.	1,111	183	2	14	-	1	-
Pacific	38,283	7,391	1,776	1,522	16	38	3
Wash.	4,781	484	87	-	10	-	-
Oreg.	2,820	228	99	-	1	2	1
Calif.	29,063	6,481	1,586	1,356	-	35	2
Alaska	527	17	3	37	5	-	-
Hawaii	1,112	181	1	129	-	1	-
Guam	N/A	2	-	19	-	-	-
P.R.	N/A	1,485	-	146	-	-	-
V.I.	N/A	29	-	-	-	-	-
American Samoa	N/A	-	-	1	-	-	-
C.N.M.I.	N/A	-	4	1	-	-	-

NOTE: No cases of anthrax were reported for 1989.

\*AIDS total updated through December 31, 1989.

†Includes wound and unspecified botulism.

‡Population estimate includes New York City.

## SUMMARY TABLES - 1989

## NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1989 (continued)

Area	Brucellosis	Chancroid	Diphtheria	Encephalitis		Gonorrhea	Granuloma Inguinale
				Primary Infections	Post-infectious		
United States	95	4,692	3	961	86	723,151*	7*
New England	-	49	-	28	2	20,337	-
Maine	-	-	-	6	-	251	-
N.H.	-	-	-	1	-	218	-
Vt.	-	1	-	4	-	70	-
Mass.	-	45	-	8	2	8,054	-
R.I.	-	1	-	-	-	1,435	-
Conn.	-	1	-	9	-	10,309	-
Mid. Atlantic	6	2,302	-	42	8	108,101	-
N.Y. (Excl. NYC)	2	7	-	35	5	14,720	-
N.Y.C.	2	2,292	-	6	3	44,781	-
N.J.	-	3	-	1	-	18,112	-
Pa.	2	-	-	-	-	30,488	-
E.N. Central	11	30	-	346	14	133,649	-
Ohio	-	2	-	131	4	36,113	-
Ind.	-	-	-	42	5	11,501	-
Ill.	7	8	-	87	6	42,712	-
Mich.	3	20	-	50	-	33,224	-
Wis.	1	-	-	36	-	10,099	-
W.N. Central	8	2	-	66	5	35,465	-
Minn.	-	-	-	24	1	3,179	-
Iowa	-	1	-	16	-	2,800	-
Mo.	2	-	-	6	-	21,683	-
N. Dak.	-	-	-	4	-	146	-
S. Dak.	2	-	-	5	-	261	-
Nebr.	1	-	-	5	-	1,928	-
Kans.	1	1	-	6	4	5,268	-
S. Atlantic	11	1,019	1	183	32	203,538	5
Del.	-	6	-	1	-	3,454	3
Md.	-	2	-	19	2	23,762	-
D.C.	-	1	-	-	-	14,457	-
Va.	6	10	1	47	3	15,983	1
W. Va.	-	2	-	88	-	1,476	1
N.C.	1	90	-	18	1	29,181	-
S.C.	-	-	-	2	1	16,437	-
Ga.	2	295	-	3	2	47,536	-
Fla.	2	613	-	5	23	51,242	-
E.S. Central	5	4	1	55	3	58,261	2
Ky.	1	4	1	20	1	5,442	1
Tenn.	3	-	-	8	-	19,557	-
Ala.	-	-	-	21	1	19,048	1
Miss.	1	-	-	6	1	14,214	-
W.S. Central	27	1,224	-	105	11	75,261	-
Ark.	-	-	-	11	-	7,613	-
La.	-	605	-	26	1	15,224	-
Okla.	4	-	-	12	6	6,652	-
Tex.	23	619	-	56	4	45,772	-
Mountain	6	8	-	17	10	14,280	-
Mont.	1	-	-	-	-	211	-
Idaho	-	-	-	-	1	175	-
Wyo.	-	-	-	-	1	100	-
Colo.	1	-	-	5	5	3,960	-
N. Mex.	1	-	-	2	1	1,293	-
Ariz.	1	8	-	5	-	4,983	-
Utah	-	-	-	1	2	429	-
Nev.	2	-	-	4	-	3,129	-
Pacific	21	54	1	139	3	84,259	-
Wash.	-	6	-	8	1	5,454	-
Oreg.	-	-	-	-	-	3,029	-
Calif.	21	48	1	116	2	74,195	-
Alaska	-	-	-	12	-	1,074	-
Hawaii	-	-	-	3	-	507	-
Guam	-	-	-	-	1	66	-
P.R.	-	12	-	10	3	1,513	-
V.I.	-	5	-	-	-	173	-
American Samoa	-	-	-	-	-	-	-
C.N.M.I.	-	-	-	-	-	-	-

NOTE: No cases of cholera were reported for 1989.

\*Civilian cases only.

## SUMMARY TABLES - 1989

## NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1989 (continued)

Area	Hepatitis A	Hepatitis B	Hepatitis unsp.	Hepatitis non-A non-B	Legionellosis	Leprosy	Leptospirosis	Lympho-granuloma venereum	Malaria
United States	35,821	23,419	2,308	2,529	1,190	163	93	189*	1,277
New England	732	1,082	75	71	70	9	1	9	84
Maine	23	70	1	6	9	-	-	2	1
N.H.	59	62	4	10	2	-	-	-	2
Vt.	37	80	-	8	4	-	-	-	4
Mass.	239	953	54	25	41	7	-	7	45
R.I.	54	77	9	5	14	1	1	-	19
Conn.	320	240	7	17	-	1	-	-	13
Mid. Atlantic	3,918	3,374	192	206	296	19	3	36	237
N.Y. (excl. NYC)	1,039	704	19	79	109	4	2	-	43
N.Y.C.	483	1,387	143	32	86	13	1	28	96
N.J.	408	596	2	34	40	2	-	6	62
Pa.	1,926	987	28	61	82	-	-	2	33
E.N. Central	2,284	2,629	85	269	274	3	4	15	96
Ohio	417	509	25	43	118	-	-	6	11
Ind.	189	221	6	20	30	-	-	6	12
Ill.	1,126	768	34	123	25	3	2	3	48
Mich.	297	676	20	48	53	-	-	-	16
Wis.	285	455	-	35	59	-	2	-	8
W.N. Central	1,602	1,077	35	132	53	1	3	2	40
Minn.	186	138	6	31	6	-	-	-	10
Iowa	185	49	5	15	6	-	-	-	5
Mo.	810	704	13	53	21	-	3	1	13
N. Dak.	21	25	2	4	1	-	-	-	2
S. Dak.	27	10	-	8	2	-	-	-	2
Nebr.	97	30	2	3	7	1	-	-	2
Kans.	276	121	7	18	10	-	-	1	6
S. Atlantic	3,728	4,522	380	364	152	2	3	163	221
Del.	95	143	4	6	12	-	-	2	7
Md.	1,123	731	31	32	32	-	1	5	39
D.C.	15	54	-	3	7	-	-	13	11
Va.	334	321	237	70	13	-	1	2	47
W. Va.	28	115	10	14	-	-	-	-	3
N.C.	405	1,073	-	90	36	1	1	7	21
S.C.	92	617	11	4	10	-	-	-	10
Ga.	386	452	9	15	26	-	-	53	16
Fla.	1,190	1,016	78	121	16	1	-	21	67
E.S. Central	477	1,875	13	178	77	-	6	3	22
Ky.	129	400	6	56	10	-	1	3	2
Tenn.	205	1,124	-	50	49	-	5	-	5
Ala.	84	253	3	57	14	-	-	-	8
Miss.	99	198	4	15	4	-	-	-	7
W.S. Central	4,359	2,593	582	399	98	25	3	11	90
Ark.	338	106	18	19	6	-	-	2	-
La.	299	419	5	17	15	-	3	9	3
Okla.	811	216	39	37	27	-	-	-	8
Tex.	3,211	1,853	530	236	80	25	-	-	79
Mountain	5,284	1,548	169	223	85	4	-	1	33
Mont.	88	50	3	7	3	1	-	-	1
Idaho	188	133	4	14	5	-	-	-	2
Wyo.	67	10	-	5	-	-	-	-	1
Colo.	540	194	68	68	29	1	-	-	11
N. Mex.	662	207	3	30	7	-	-	-	5
Ariz.	2,797	986	70	53	29	1	-	1	9
Utah	536	129	9	30	10	-	-	-	1
Nev.	334	240	12	16	12	-	-	-	3
Pacific	13,519	4,618	765	777	75	100	70	9	495
Wash.	3,273	1,052	79	210	30	10	-	6	44
Oreg.	2,306	563	18	83	2	2	-	-	21
Calif.	7,084	2,875	653	469	39	70	-	3	380
Alaska	643	60	5	9	1	-	-	-	3
Hawaii	153	68	10	6	3	18	69	-	7
Guam	8	4	10	-	-	1	-	-	3
P.R.	207	272	17	29	-	9	-	2	1
V.I.	-	7	-	-	-	-	-	1	-
American Samoa	47	1	-	3	-	9	2	-	-
C.N.M.I.	3	9	1	-	-	1	-	-	1

\*Civilian cases only.

## SUMMARY TABLES — 1989

## NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1989 (continued)

Area	Measles		Meningo- coccal Infections	Mumps	Pertussis	Plague	Poli- myelitis Paralytic	Pittacosis
	Indigenous	Imported						
United States	17,351	842*	2,727	5,712	4,157	4	5 <sup>1</sup>	116
New England	360	39	195	86	421	-	-	5
Maine	-	1	17	-	27	-	-	-
N.H.	9	7	18	15	30	-	-	-
Vt.	1	2	10	3	11	-	-	1
Mass.	88	21	105	57	307	-	-	-
R.I.	38	3	1	-	21	-	-	1
Conn.	224	5	44	11	25	-	-	3
Mid. Atlantic	872	289	425	580	346	-	-	16
N.Y.(excl.NYC)	61	141	137	176	180	-	-	11
N.Y.C.	110	21	87	22	16	-	-	1
N.J.	443	21	80	214	23	-	-	-
Pa.	258	88	122	88	127	-	-	4
E.N. Central	7,142	134	366	650	691	-	-	13
Ohio	2,685	35	123	165	147	-	-	5
Ind.	115	-	34	49	87	-	-	-
Ill.	3,197	16	111	218	198	-	-	-
Mich.	321	38	70	161	48	-	-	3
Wis.	824	45	28	57	211	-	-	6
W.N. Central	1,013	37	71	446	258	-	-	11
Minn.	42	25	17	2	71	-	-	1
Iowa	12	-	-	54	16	-	-	4
Mo.	671	-	21	87	141	-	-	5
N. Dak.	-	-	-	-	5	-	-	-
S. Dak.	-	-	9	-	4	-	-	-
Nebr.	155	3	15	6	9	-	-	1
Kans.	133	9	9	297	12	-	-	-
S. Atlantic	741	81	487	1,151	421	-	3	36
Del.	42	1	3	1	1	-	-	-
Md.	78	38	76	603	82	-	1	1
D.C.	39	4	19	150	3	-	-	-
Va.	19	3	73	125	37	-	-	6
W. Va.	53	-	13	19	36	-	-	-
N.C.	187	3	68	45	79	-	1	22
S.C.	15	-	33	56	33	-	-	1
Ga.	2	18	80	87	55	-	1	1
Fla.	306	16	122	65	95	-	-	5
E.S. Central	291	6	97	214	244	-	1	6
Ky.	43	4	46	9	35	-	1	-
Tenn.	169	-	16	89	119	-	-	3
Ala.	58	2	27	29	80	-	-	2
Miss.	21	-	8	87	10	-	-	1
W.S. Central	3,480	87	184	1,753	505	-	-	1
Ark.	3	19	17	208	35	-	-	-
La.	122	-	49	783	38	-	-	-
Okla.	110	-	25	211	66	-	-	-
Tex.	3,245	69	93	551	366	-	-	1
Mountain	359	61	79	290	688	4	-	11
Mont.	12	1	2	4	43	-	-	-
Idaho	-	7	4	40	75	-	-	-
Wyo.	-	-	1	8	-	-	-	7
Colo.	82	19	26	86	110	2	-	1
N. Mex.	16	15	2	NN	33	2	-	-
Ariz.	134	11	31	131	400	-	-	2
Utah	114	-	5	14	26	-	-	1
Nev.	1	8	8	7	1	-	-	-
Pacific	3,093	128	822	622	983	-	1	17
Wash.	33	23	94	59	201	-	-	4
Oreg.	27	55	59	NN	18	-	-	7
Calif.	3,012	41	654	541	336	-	1	6
Alaska	1	-	11	2	1	-	-	-
Hawaii	20	9	4	20	27	-	-	-
Guam	-	2	-	6	-	-	-	-
P.R.I.	572	-	8	12	6	-	-	-
V.I.	2 <sup>1</sup>	-	-	17	-	-	-	-
American Samoa	2 <sup>1</sup>	-	-	9	-	-	-	-
C.N.M.I.	1 <sup>1</sup>	-	1	9	-	-	-	-

\*For measles only, imported includes both out-of-state and international importations.

<sup>1</sup>Subject to change due to retrospective case evaluations or late reports.<sup>2</sup>Classification unknown.

## SUMMARY TABLES - 1989

## NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1989 (continued)

Area	Rabies		Rubella				Syphilis			
	Animal	Human	Rheumatic Fever acute	Rubella	Cong. syndrome	Salmonel- losis	Shigel- losis	Primary & Secondary	Cong. ( $\leq 1$ yr.)	All Stages
United States	4,724	1	144	398	3	47,812	25,010	44,540*	859*	110,797*
New England	14	-	8	6	-	4,447	707	1,714	32	3,382
Maine	2	-	3	-	-	239	12	13	1	25
N.H.	2	-	-	4	-	285	26	22	-	38
Vt.	1	-	-	1	-	160	5	1	-	6
Mass.	5	-	NN	1	-	2,384	300	508	12	1,074
R.I.	1	-	1	-	-	324	28	31	1	193
Conn.	3	-	4	-	-	1,055	336	1,139	18	2,046
Mid. Atlantic	806	-	5	36	1	8,946	2,093	8,247	250	21,474
N.Y.(Excl.NYC)	54	-	NN	14	-	2,164	902	798	60	2,035
N.Y.C.	-	-	5	15	1	2,003	351	3,349	153	10,097
N.J.	50	-	NN	7	-	1,860	182	1,522	11	3,347
Pa.	702	-	NN	-	-	2,919	658	2,578	26	5,995
E.N. Central	149	-	34	30	-	6,882	3,975	2,114	85	5,174
Ohio	14	-	17	3	-	1,284	983	196	3	436
Ind.	22	-	1	-	-	675	307	79	-	284
Ill.	29	-	5	23	-	2,316	1,331	975	60	2,540
Mich.	29	-	4	1	-	1,175	1,017	700	22	1,617
Wis.	55	-	7	3	-	1,432	337	164	-	297
W.N. Central	689	-	21	11	-	2,632	1,806	370	1	878
Minn.	149	-	3	3	-	980	411	59	-	144
Iowa	203	-	7	1	-	257	86	36	-	95
Mo.	62	-	NN	4	-	676	411	162	-	389
N. Dak.	58	-	-	1	-	87	208	3	-	5
S. Dak.	125	-	5	-	-	112	363	1	-	3
Nebr.	33	-	NN	-	-	202	120	30	1	67
Kans.	59	-	6	2	-	318	211	79	-	175
S. Atlantic	1,370	-	1	24	-	9,588	5,049	15,636	395	37,780
Del.	36	-	NN	-	-	274	253	234	3	428
Md.	388	-	NN	2	-	1,528	297	805	20	1,935
D.C.	12	-	NN	-	-	183	52	978	-	2,203
Va.	262	-	NN	-	-	1,452	410	593	13	1,731
W. Va.	48	-	1	-	-	189	23	20	-	350
N.C.	9	-	NN	1	-	1,163	1,184	1,183	7	2,483
S.C.	192	-	NN	-	-	659	255	882	5	1,767
Ga.	233	-	NN	-	-	1,521	629	3,846	14	8,013
Fla.	190	-	NN	21	-	2,597	1,946	7,095	243	18,870
E.S. Central	342	-	1	6	-	2,811	882	3,195	19	6,771
Ky.	134	-	1	-	-	554	104	57	1	238
Tenn.	87	-	NN	5	-	829	279	1,406	16	2,867
Ala.	117	-	NN	1	-	840	375	921	1	2,003
Miss.	4	-	-	-	-	579	124	721	1	1,663
W.S. Central	614	-	2	70	-	3,985	2,546	6,383	72	14,215
Ark.	89	-	2	-	-	508	181	380	-	812
La.	17	-	-	5	-	738	486	1,603	-	3,085
Okla.	102	-	NN	1	-	462	245	133	8	384
Tex.	406	-	NN	64	-	2,277	1,854	4,267	64	9,934
Mountain	280	-	51	30	-	1,983	2,048	637	1	1,630
Mont.	71	-	NN	1	-	93	105	2	-	10
Idaho	11	-	NN	32	-	101	28	2	-	21
Wyo.	77	-	6	2	-	30	14	-	-	5
Colo.	34	-	9	1	-	568	393	54	-	198
N. Mex.	21	-	2	-	-	209	284	31	-	182
Ariz.	26	-	NN	-	-	867	1,032	320	1	747
Utah	9	-	33	-	-	190	89	16	-	58
Nev.	9	-	1	-	-	225	103	212	-	409
Pacific	480	1	21	177	2	6,560	5,902	6,334	94	19,493
Wash.	9	-	NN	-	-	630	232	408	5	809
Oreg.	5	1	NN	4	-	322	121	243	2	509
Calif.	395	-	19	180	2	5,224	5,468	5,666	87	18,106
Alaska	71	-	2	-	-	70	25	6	-	19
Hawaii	-	-	NN	13	-	314	56	11	-	50
Guam	-	-	-	-	-	139	82	1	-	16
P.R.	84	-	-	8	-	538	82	590	4	2,551
V.I.	-	-	-	-	-	18	4	5	-	24
American Samoa	-	-	3	-	-	23	14	-	-	-
C.N.M.I.	-	-	4	-	-	15	8	-	-	-

\*Civilian cases only.

## SUMMARY TABLES - 1989

## NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1989 (continued)

Area	Tetanus	Toxic-Shock Syndrome	Trichinosis	Tuberculosis	Tularemia	Typhoid fever	Typhus fever		Varicella (Chicken-pox)
							Murine	RMSF	
United States	53	400	30	23,495	152	460	41	823	185,441
New England	-	23	8	713	2	40	-	7	16,126
Maine	-	6	1	41	-	-	-	-	2,064
N.H.	-	5	-	25	-	1	-	-	4,011
Vt.	-	1	-	9	-	-	-	-	NN
Mass.	-	6	7	421	2	26	-	4	9,876
R.I.	-	1	-	57	-	6	-	1	NN
Conn.	-	4	-	160	-	7	-	2	175*
Mid. Atlantic	4	60	4	4,861	5	104	5	63	13,086
N.Y.(excl.NYC)	1	15	2	657	3	53	3	16	8,770
N.Y.C.	-	4	-	2,545	2	11	1	2	4,316
N.J.	2	12	2	949	-	33	-	25	NN
Pa.	1	29	-	710	-	7	1	20	NN
E.N. Central	3	63	-	2,340	3	57	-	36	98,909
Ohio	-	16	-	373	-	9	-	25	11,824
Ind.	1	7	-	261	-	2	-	1	NN
Ill.	-	19	-	1,113	1	35	-	7	32,420
Mich.	1	21	-	462	1	6	-	3	44,665
Wis.	1	-	-	131	1	5	-	-	NA
W.N. Central	5	58	1	587	54	9	-	77	17,144
Minn.	1	15	-	103	-	3	-	-	NN
Iowa	-	8	-	66	-	2	-	4	6,623
Mo.	4	10	1	278	39	2	-	48	9,086
N. Dak.	-	1	-	13	-	-	-	1	368
S. Dak.	-	4	-	28	5	-	-	5	401
Nebr.	-	9	-	25	4	-	-	1	172
Kans.	-	11	-	72	6	2	-	18	494
S. Atlantic	13	39	-	4,797	6	48	1	229	10,799
Del.	-	2	-	46	-	2	-	3	8
Md.	1	1	-	404	2	10	-	19	NN
D.C.	1	1	-	188	-	2	-	-	127
Va.	-	6	-	380	4	7	-	18	3,492
W. Va.	-	1	-	77	-	-	-	2	6,813
N.C.	3	6	-	637	-	2	-	118	NN
S.C.	1	4	-	502	-	2	-	40	359
Ga.	2	3	-	860	-	6	-	25	NN
Fla.	5	6	-	1,703	-	15	1	4	NN
E.S. Central	7	12	2	1,833	8	3	1	77	1,527
Ky.	1	3	-	380	1	1	-	15	782
Tenn.	1	7	2	601	6	1	1	45	735
Ala.	3	1	-	464	-	1	-	6	NN
Miss.	2	1	-	388	1	-	-	11	NN
W.S. Central	10	34	1	2,880	48	22	30	105	24,101
Ark.	2	2	-	330	36	-	-	21	379
La.	1	1	-	407	-	1	-	1	NN
Okla.	2	16	1	228	11	1	-	64	NN
Tex.	5	15	-	1,915	1	20	30	19	23,722
Mountain	-	50	-	625	17	13	-	25	10,939
Mont.	-	-	-	31	1	-	-	15	392
Idaho	-	4	-	28	-	-	-	4	NN
Wyo.	-	2	-	-	3	-	-	2	218
Colo.	-	9	-	73	3	2	-	3	NN
N. Mex.	-	4	-	93	2	2	-	1	NN
Ariz.	-	12	-	305	-	8	-	-	10,009
Utah	-	15	-	56	7	1	-	-	320
Nev.	-	4	-	39	1	-	-	-	NN
Pacific	11	70	14	4,859	9	166	4	4	2,810
Wash.	1	7	-	248	2	11	-	-	NN
Oreg.	-	-	-	151	5	6	-	2	NN
Calif.	10	62	4	4,212	2	140	2	2	599
Alaska	-	-	8	59	-	-	-	-	NN
Hawaii	-	1	2	189	-	9	2	-	2,211
Guam	-	-	-	54	-	4	-	-	401
P.R.	6	-	-	314	-	12	-	-	11,278
V.I.	-	-	-	3	-	1	-	-	614
American Samoa	-	-	-	5	-	-	-	-	143
C.N.M.I.	-	-	-	30	-	-	-	-	246

\*Ages 16+.

## NOTIFIABLE DISEASES — Summary of reported cases, by age

Disease	Total	Under 1	1-4	5-9	10-14
AIDS	33,722*	238	255	79	33
Cholera	-	-	-	-	-
Diphtheria	3	-	1	-	-
Gonorrhea <sup>†</sup>	733,151 (.....1,041.....)			913	11,820
Hepatitis A	35,821	203	1,686	4,265	2,869
Hepatitis B	23,419	197	103	141	224
Hepatitis, non-A non-B	2,529	17	26	31	43
Hepatitis, unspecified	2,306	20	83	196	125
Measles (rubeola)	18,193	1,982	4,668	1,757	2,208
Meningococcal infections	2,727	534	619	150	110
Mumps	5,712 <sup>‡</sup>	106	438	1,194	1,324
Pertussis (whooping cough)	4,157	1,813	1,073	323	283
Plague	4	-	-	-	2
Poliomyelitis, paralytic	5 <sup>‡</sup>	4	-	-	-
Rubella (German measles)	396 <sup>‡</sup>	30	28	24	21
Salmonellosis	47,812	7,143	7,313	2,791	1,682
Shigellosis	25,010 <sup>‡</sup>	670	6,151	3,722	1,079
Syphilis, primary & secondary <sup>†</sup>	44,540 (.....7.....)			8	216
Tetanus	53	1	1	-	-
Tuberculosis	23,495	140	670	303	208
Typhoid fever	460	4	26	32	38
Varicella (chickenpox)	185,441	1,034	8,947	36,368	7,671

\*AIDS total updated through December 31, 1989.

<sup>†</sup>Civilian cases only.<sup>‡</sup>Cases reported by the state of California are included in the column for cases reported by California, see table on pages 4-9.<sup>§</sup>Subject to change due to retrospective case evaluations or late reports.

\*\*Includes 940 cases reported by the state of Texas for ages 15+.



SUMMARY TABLES - 1989

Age group, United States, 1989

								Age not Stated
14	15-19	20-24	25-29	30-39	40-49	50-59	60+	
33	108	1,378	5,291	15,564	7,339	2,437	1,000	-
-	-	-	-	-	-	-	-	-
-	-	-	-	1	-	-	-	1
320	204,023	225,200	127,635	124,743	(.....37,776.....)			-
969	2,707	4,250	5,228	6,498	2,551	1,148	1,380	3,036
224	1,770	3,814	4,774	6,151	2,311	1,064	1,234	1,636
43	149	287	383	640	248	145	368	192
125	189	245	312	483	183	67	124	317
208	4,403	1,578	761	596	123	19	12	86
110	193	103	79	114	96	82	238	409
324	1,198	342	104	142	74	21	23	746
283	222	60	59	116	57	17	21	113
2	-	-	-	-	1	-	1	-
-	-	1	-	-	-	-	-	-
21	26	35	24	27	15	1	-	165
682	2,006	3,205	3,313	5,134	3,168	2,114	5,540	4,403
079	670	1,184	1,457	1,929	846	451	640	6,211
216	4,408	10,495	9,717	13,213	(.....6,476.....)			-
-	1	-	4	5	5	3	29	4
208	514	1,228	1,985	4,708	3,436	2,794	7,499	10
38	28	38	56	79	50	18	38	53
671	2,424	874	497	411	93	41	117	126,964**

mn for age not stated; age distributions are not available. For total cases

ports.

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## SUMMARY TABLES — 1989

**Estimates of the resident population of the United States, by age, sex, and race,\*  
July 1, 1989**

Age	Total			White			Black			Other Races		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Ages	248,239	120,982	127,258	208,961	102,223	106,738	30,660	14,545	16,115	8,618	4,213	4,404
<1	3,945	2,020	1,925	3,163	1,623	1,541	619	314	305	163	83	80
1-4	14,808	7,578	7,229	11,886	6,092	5,794	2,270	1,154	1,116	648	329	319
5-9	18,212	9,321	8,891	14,628	7,504	7,124	2,802	1,423	1,378	782	394	389
10-14	16,950	8,689	8,260	13,574	6,973	6,601	2,679	1,362	1,318	696	355	342
15-19	17,812	9,091	8,721	14,343	7,327	7,015	2,758	1,394	1,365	711	371	341
20-24	18,702	9,368	9,334	15,359	7,731	7,628	2,651	1,279	1,372	692	357	335
25-29	21,699	10,865	10,834	18,103	9,142	8,960	2,827	1,342	1,485	769	381	389
30-34	22,135	11,078	11,058	18,567	9,385	9,182	2,744	1,289	1,455	824	404	420
35-39	19,621	9,731	9,890	16,625	8,342	8,283	2,260	1,035	1,225	736	354	382
40-44	16,882	8,294	8,588	14,550	7,229	7,321	1,726	782	945	605	283	322
45-49	13,521	6,601	6,920	11,672	5,758	5,915	1,395	626	769	454	217	237
50-54	11,375	5,509	5,866	9,789	4,791	4,998	1,223	544	679	363	174	189
55-59	10,726	5,121	5,605	9,310	4,480	4,830	1,116	508	608	300	133	167
60+	41,852	17,714	24,137	37,390	15,845	21,546	3,591	1,493	2,096	870	376	494
Median age, years	32.7	31.6	33.8	33.6	32.5	34.7	27.7	26.3	29.1	29.0	27.9	30.1

\*Numbers in thousands.

Source: U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 1057, Estimates of the Population of the United States, by Age, Sex, and Race, 1980-1989.

**Estimates of the resident population of the United States, by age, sex, and race,\*  
July 1, 1988**

Age	Total			White			Black			Other Races		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Ages	245,785	119,724	126,060	207,357	101,377	105,980	30,201	14,323	15,877	8,227	4,024	4,203
<1	3,847	1,968	1,879	3,086	1,582	1,504	604	306	298	156	80	77
1-4	14,586	7,485	7,121	11,751	6,025	5,727	2,208	1,123	1,085	626	318	309
5-9	18,027	9,225	8,802	14,502	7,440	7,063	2,783	1,412	1,371	742	373	368
10-14	16,626	8,525	8,102	13,346	6,857	6,490	2,612	1,327	1,285	668	341	327
15-19	18,214	9,292	8,922	14,740	7,527	7,213	2,789	1,407	1,381	685	358	328
20-24	19,182	9,606	9,576	15,805	7,954	7,851	2,703	1,304	1,399	673	348	326
25-29	21,873	10,949	10,924	18,293	9,236	9,057	2,827	1,341	1,486	754	372	381
30-34	21,796	10,900	10,895	18,325	9,256	9,069	2,675	1,255	1,420	796	389	407
35-39	19,140	9,480	9,660	16,256	8,146	8,110	2,184	1,000	1,185	700	335	365
40-44	16,125	7,915	8,209	13,943	6,919	7,024	1,623	734	889	559	262	297
45-49	13,026	6,358	6,668	11,239	5,542	5,697	1,362	611	751	425	205	221
50-54	11,138	5,393	5,745	9,602	4,698	4,905	1,194	533	661	341	163	179
55-59	10,898	5,196	5,702	9,497	4,564	4,933	1,115	507	608	286	126	161
60+	41,309	17,452	23,857	36,970	15,632	21,338	3,523	1,462	2,060	815	356	460
Median age, years	32.4	31.2	33.5	33.3	32.1	34.4	27.5	26.1	28.8	28.8	27.7	29.8

\*Numbers in thousands.

Source: U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 1057, Estimates of the Population of the United States, by Age, Sex, and Race, 1980-1988.

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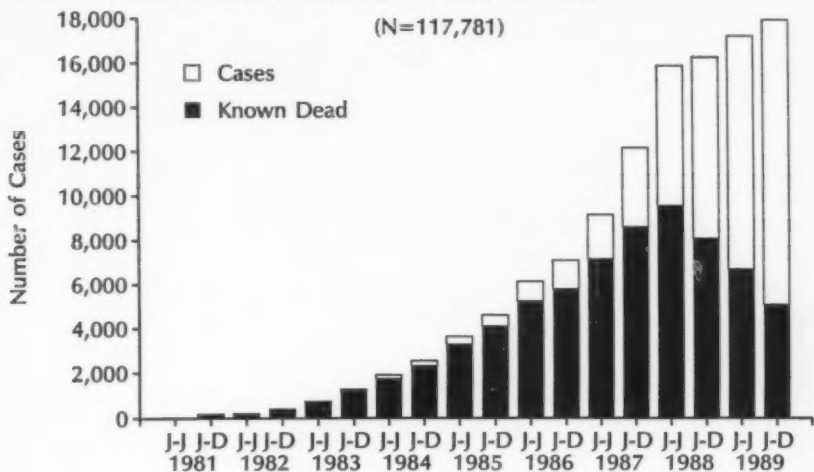
# **PART 2**

**Graphs and Maps  
for Selected  
Notifiable Diseases  
in the  
United States**

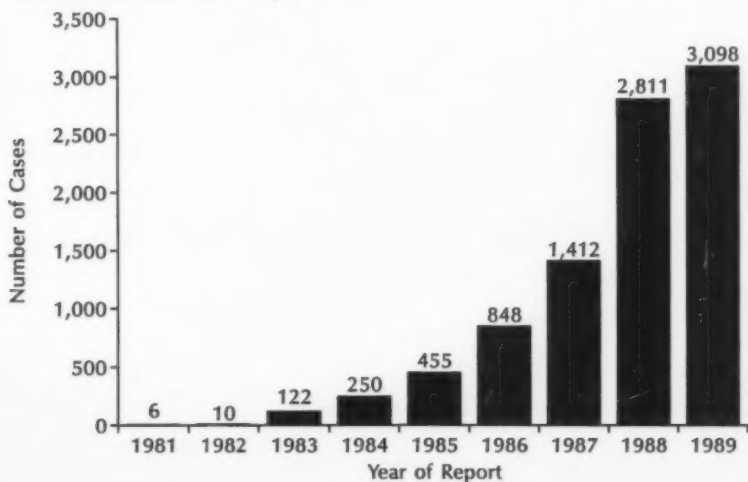
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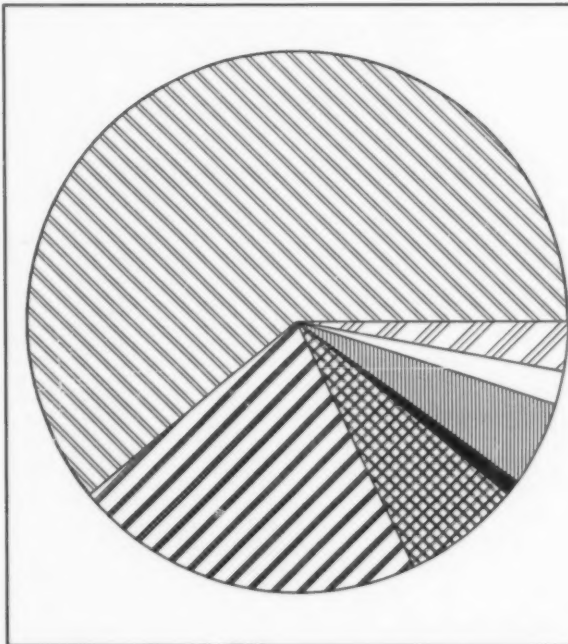
9

**ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) — Cases and known deaths, by six-month periods of report to CDC, United States, 1981–1989**



**ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) — Pediatric cases by year of report, United States, 1981–1989**










**ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) — Report  
States, 1989**

\*Includes patients under investigation; patients who died, were lost to follow-up, or whose status of exposure to human immunodeficiency virus (HIV) remains undetermined.



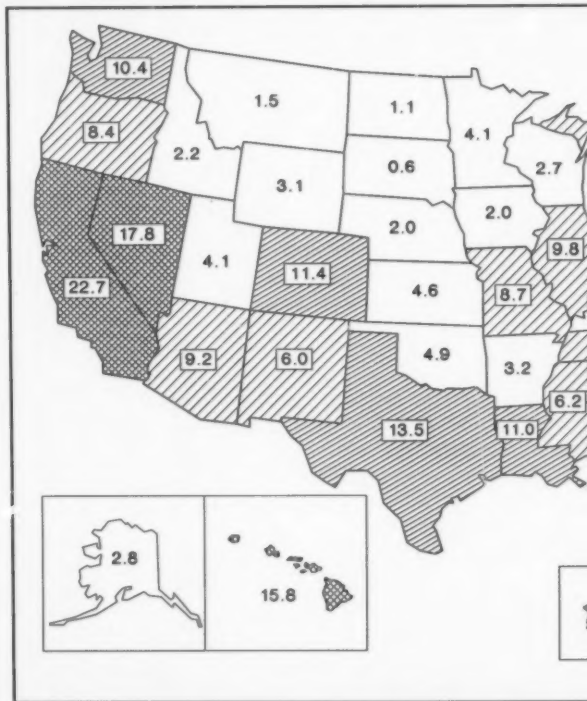
Reported adult/adolescent cases, by exposure category, United

GRAPHS AND MAPS

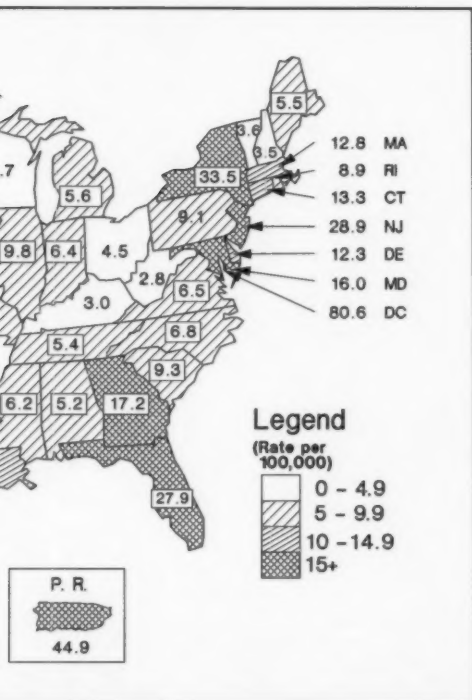
-  Homosexual/Bisexual Men (57%)
-  IV Drug User (23%)
-  Homosexual and IV Drug User (6%)
-  Hemophilia Cases (1%)
-  Heterosexual Contact (6%)
-  Transfusion Recipients (2%)
-  Other/Undetermined (5%)\*

\* to follow-up, or refused interview; and patients whose mode determined after investigation.

**ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) — Case**  
**United States, 1989.**



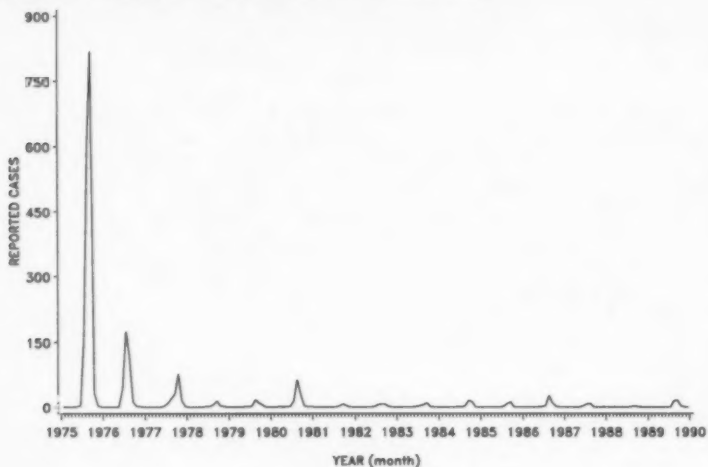
Cases per 100,000 population, reported to CDC by state,



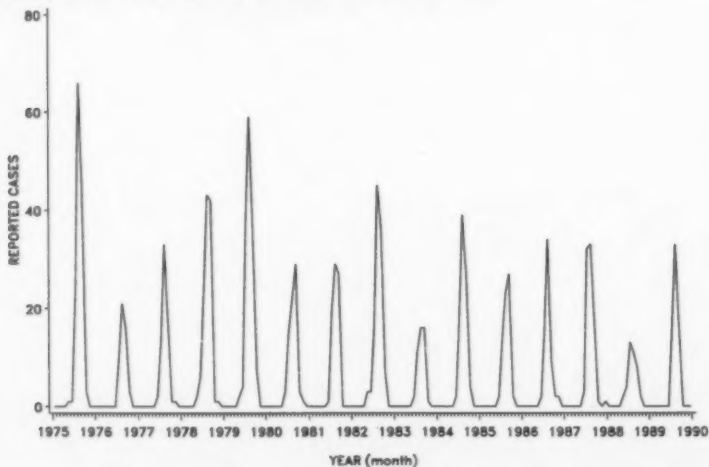
GRAPHS AND MAPS

## GRAPHS AND MAPS

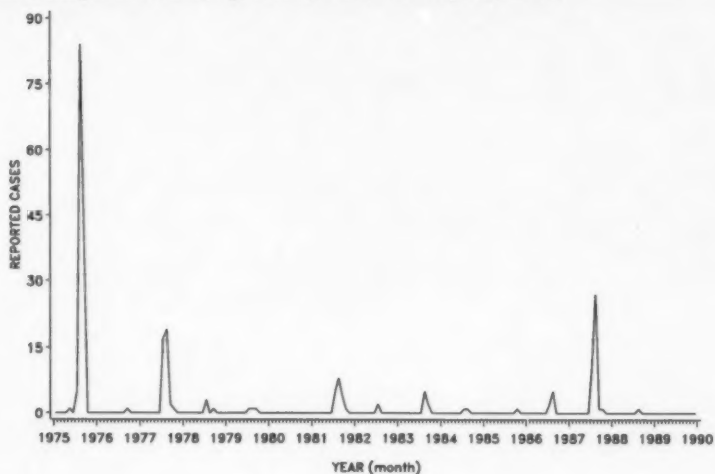
### ARBOVIRAL INFECTIONS (of the central nervous system) — Cases due to St. Louis encephalitis virus, by month, United States, 1975–1989



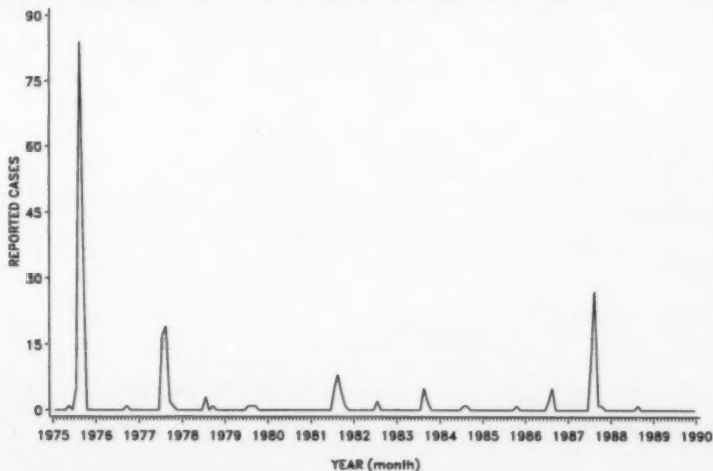
### ARBOVIRAL INFECTIONS (of the central nervous system) — Cases due to California serogroup viruses, by month, United States, 1975–1989



**ARBOVIRAL INFECTIONS (of the central nervous system) – Cases due to Western equine encephalitis virus, by month, United States, 1975–1989**



**ARBOVIRAL INFECTIONS (of the central nervous system) – Cases due to Eastern equine encephalitic virus, by month, United States, 1975–1989**

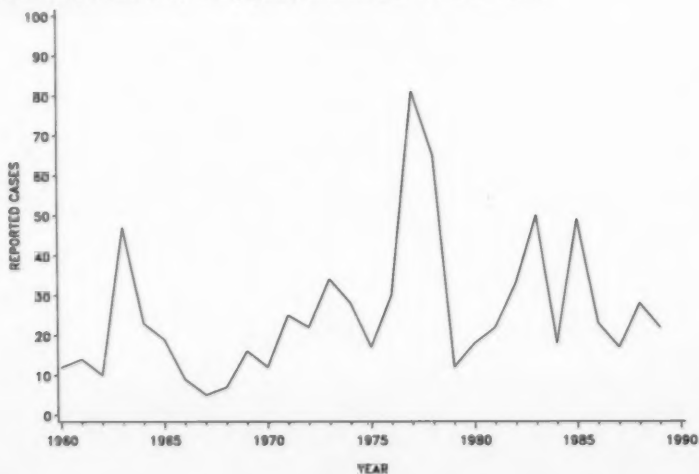


## GRAPHS AND MAPS

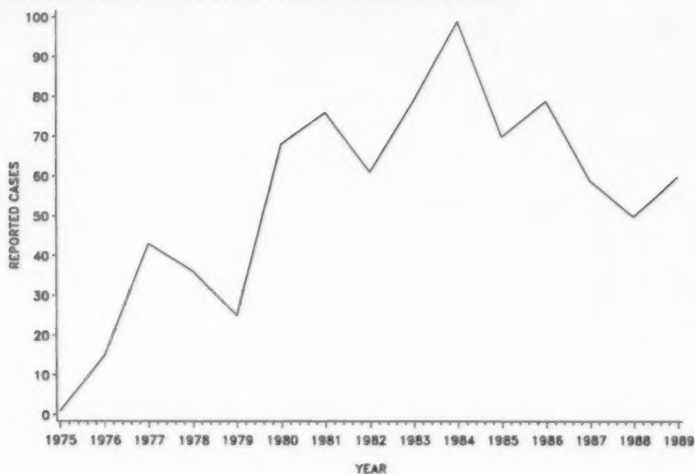
### ASEPTIC MENINGITIS — By month, United States, 1986–1989



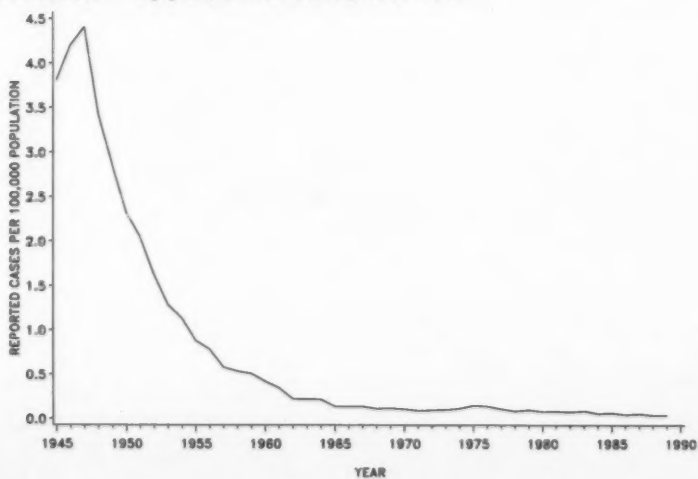
### BOTULISM (foodborne) — By year, United States, 1960–1989



**BOTULISM (infant) — By year, United States, 1975–1989**

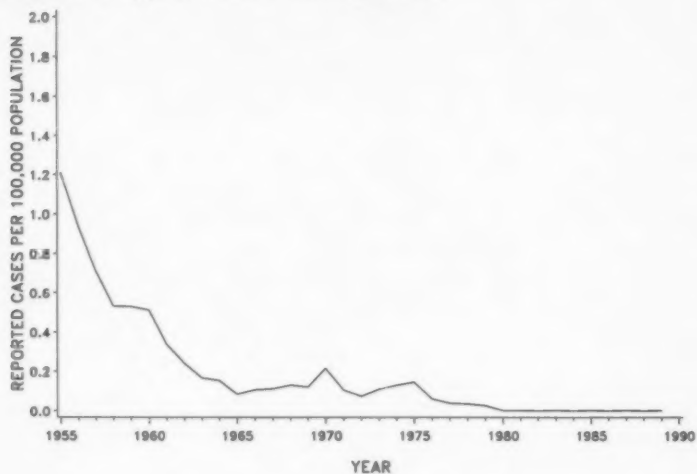


**BRUCELLOSIS — By year, United States, 1945–1989**

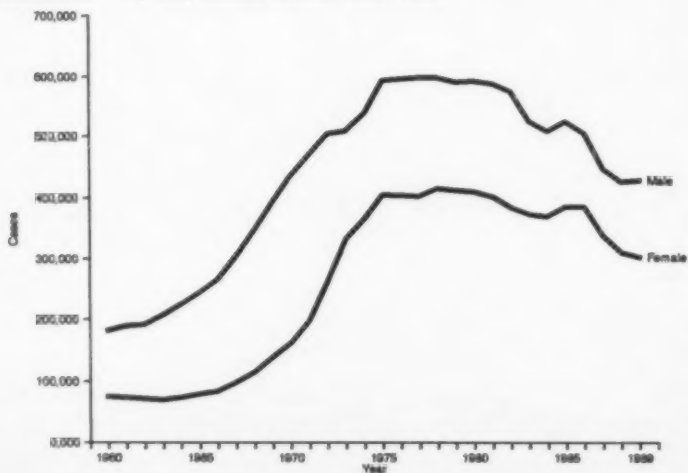


## GRAPHS AND MAPS

### DIPHTHERIA — By year, United States, 1955–1989



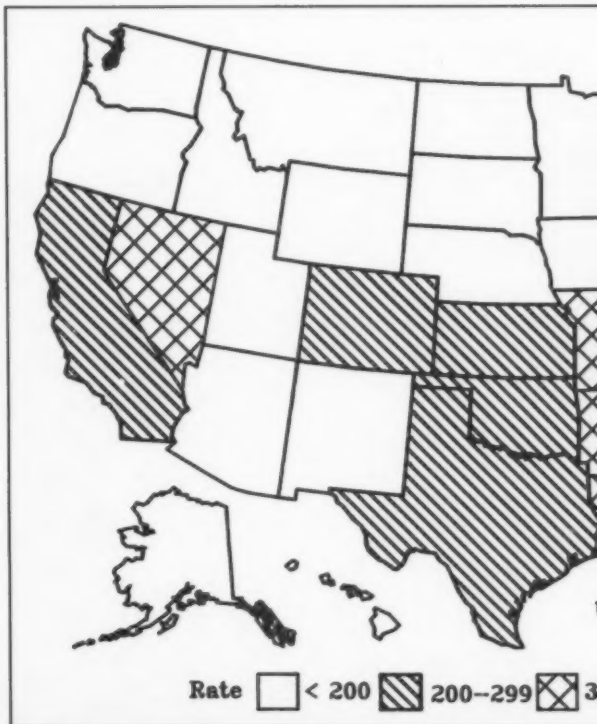
### GONORRHEA — By sex, United States, 1960–1989



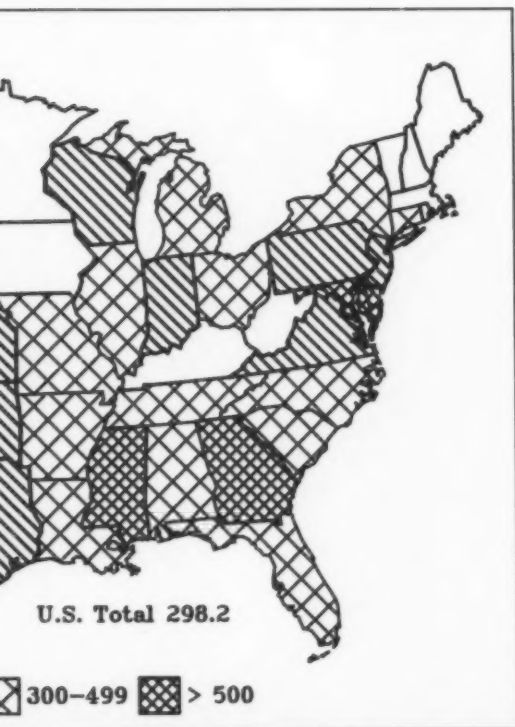




GONORRHEA — By state,\* United States, 1989



\*Based on reported cases per 100,000 population.





\*Based on reported cases per 100,000 population.

tes, 1989



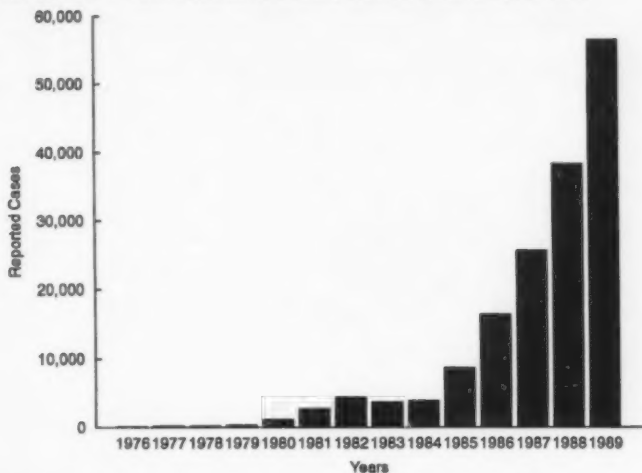
GRAPHS AND MAPS

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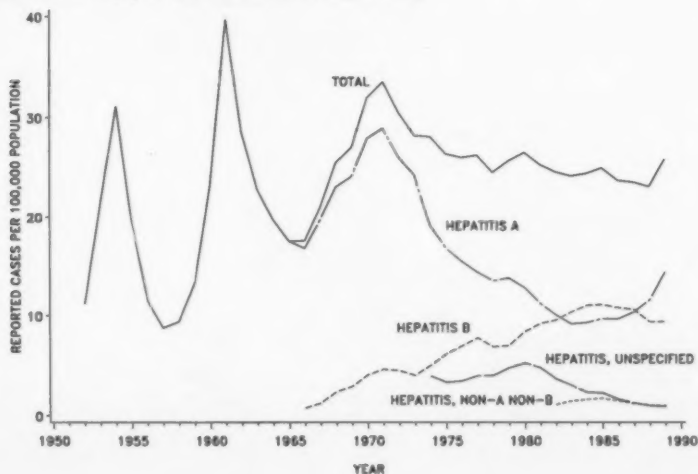
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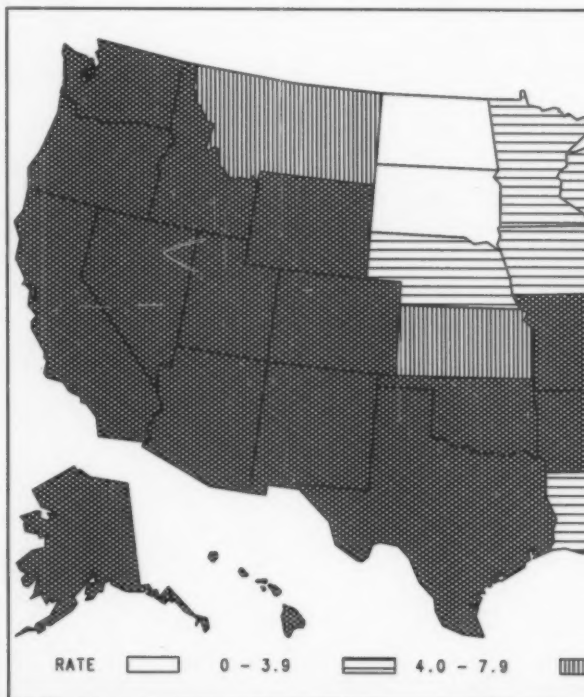
# GONORRHEA — Total resistant strains, United States, 1976–1989



First case reported in March 1976. Greater than 95% of resistant strains represents penicillinase-producing *Neisseria gonorrhoeae* (PPNG).

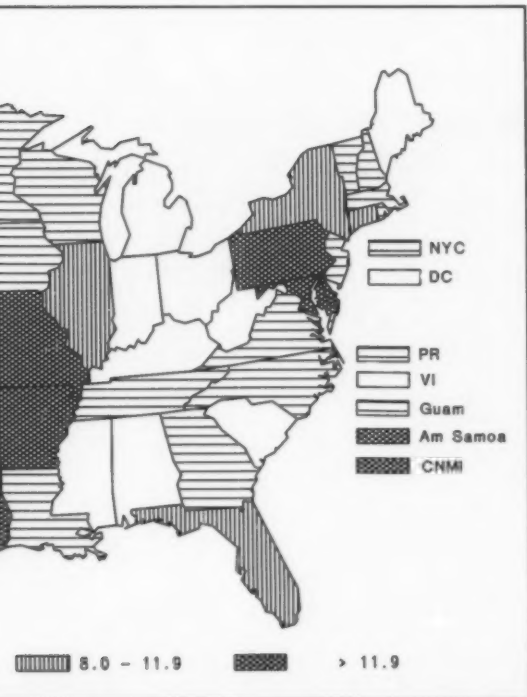
# HEPATITIS — By year, United States, 1952–1989





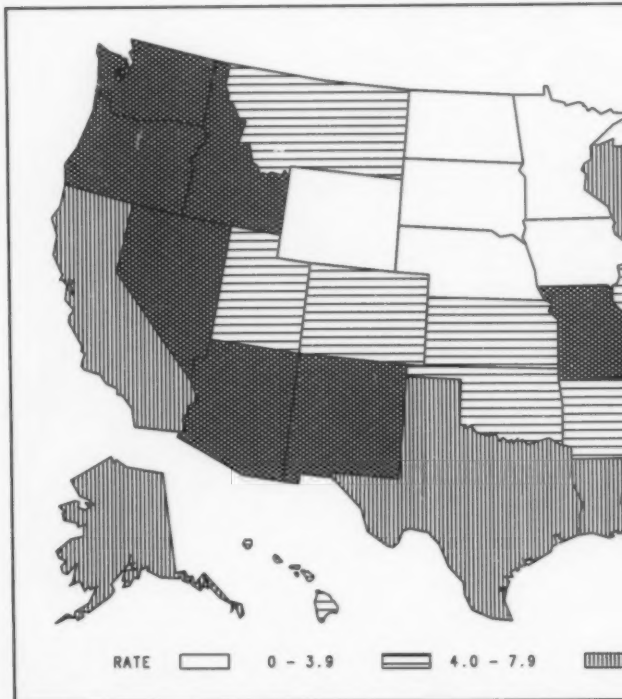


United States, 1989

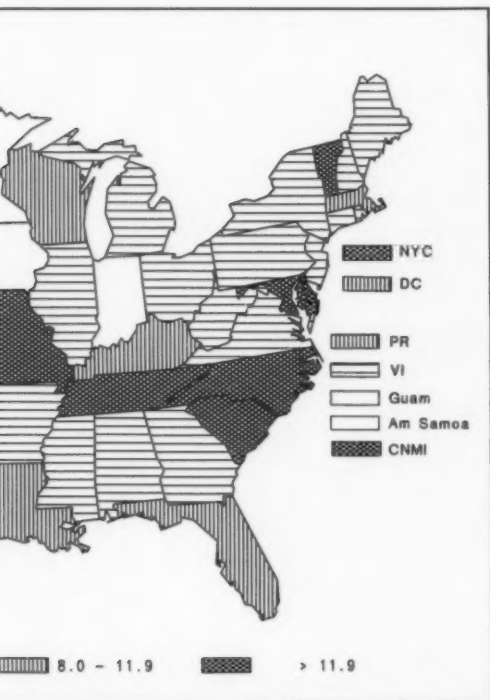


GRAPHS AND MAPS

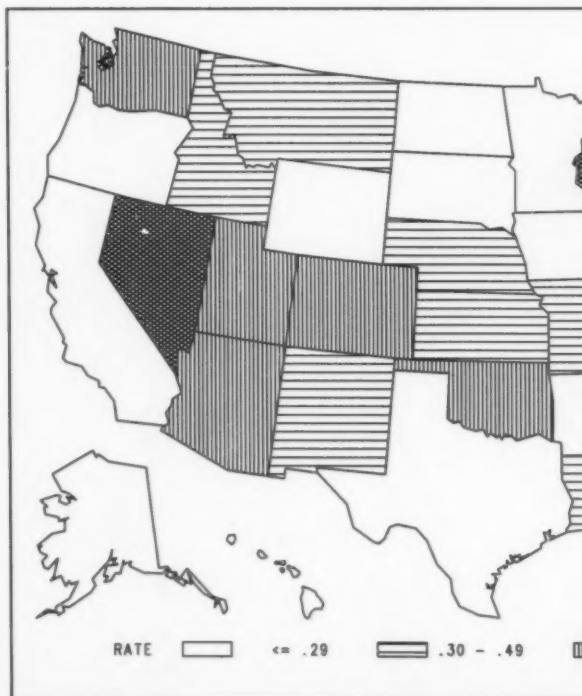
HEPATITIS B — Reported cases, per 100,000 population, United S



ed States, 1989

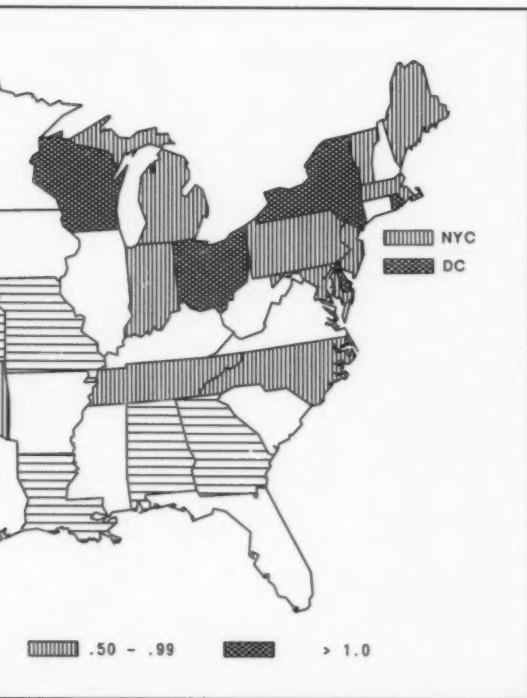


GRAPHS AND MAPS



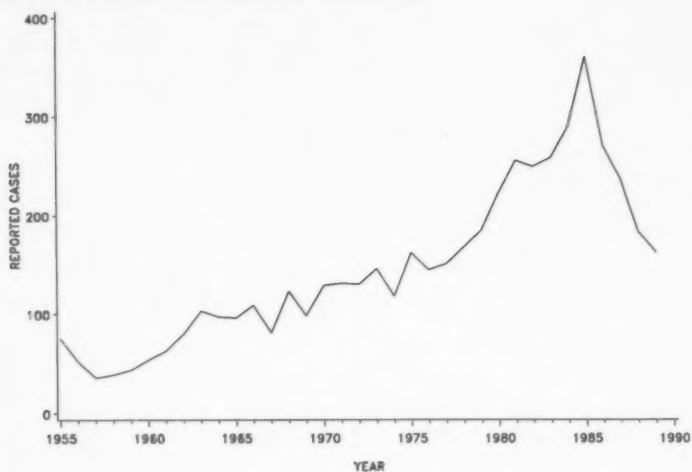
on, United States, 1989

GRAPHS AND MAPS

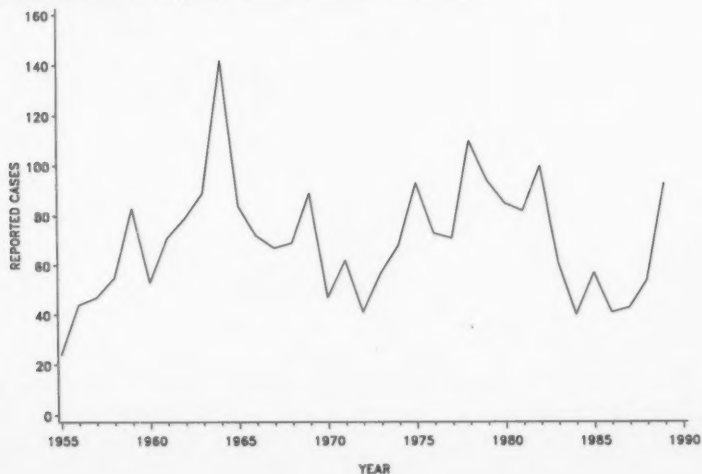




**LEPROSY — By year, United States, 1955–1989**

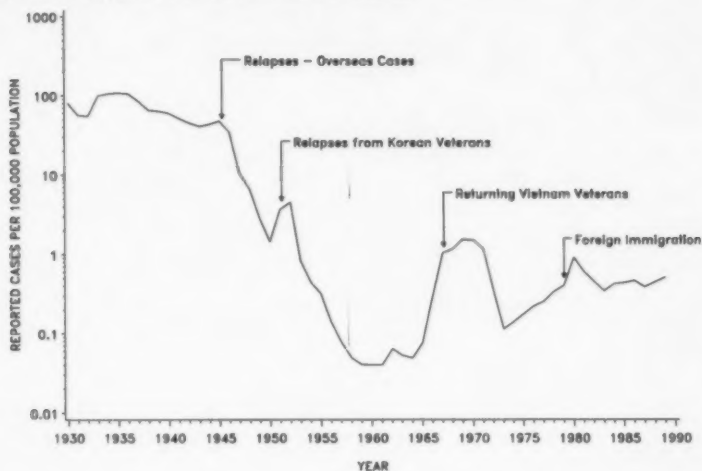


**LEPTOSPIROSIS — By year, United States, 1955–1989**



## GRAPHS AND MAPS

### MALARIA — By year, United States, 1930–1989



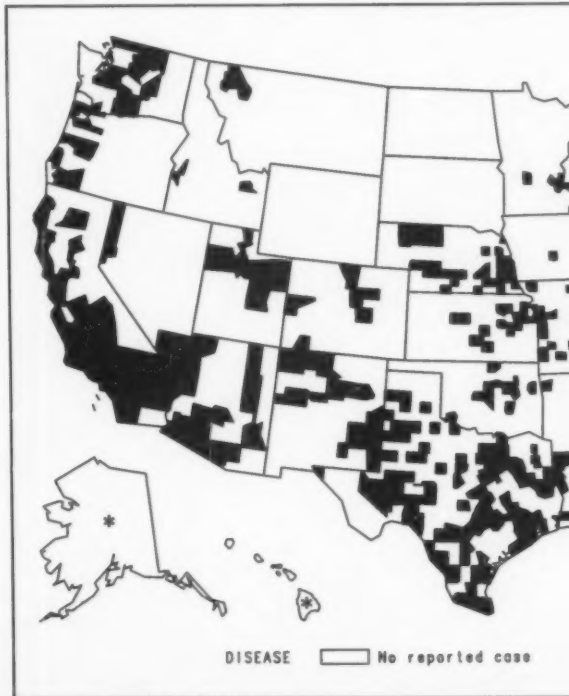
### MEASLES (rubeola) — by year, United States, 1950–1989



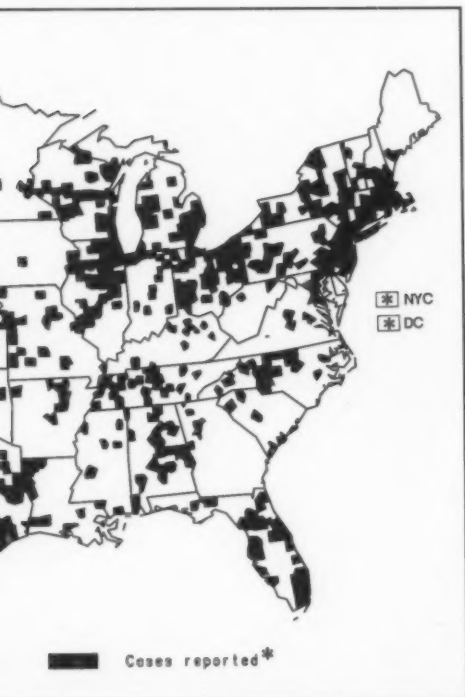




MEASLES (rubeola) — Counties reporting cases, United States



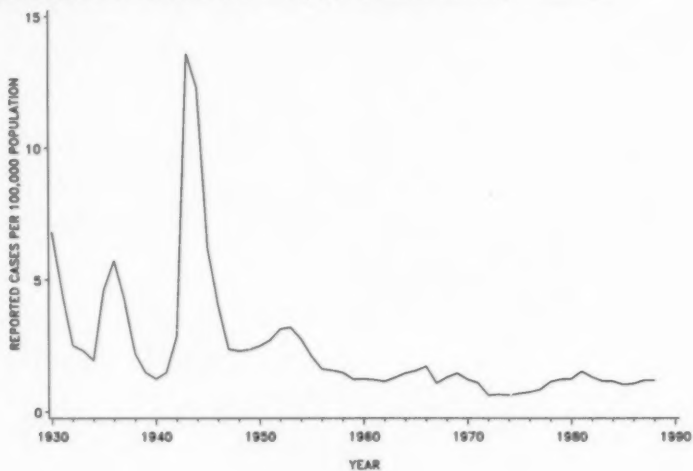
States, 1989



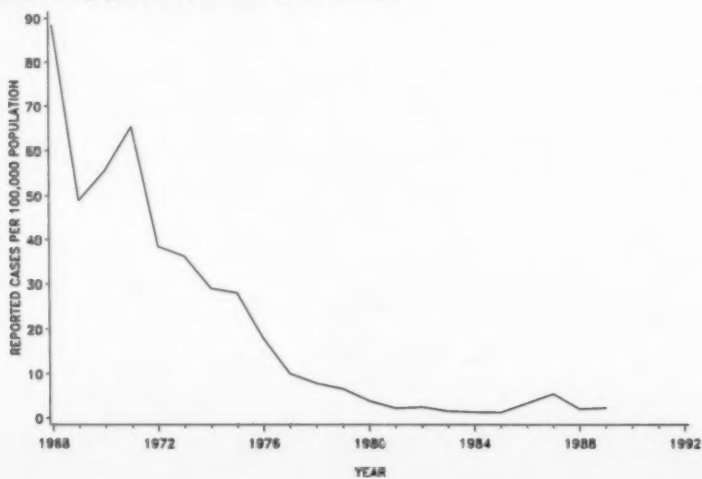
GRAPHS AND MAPS

## GRAPHS AND MAPS

### MENINGOCOCCAL INFECTION — By year, United States, 1930–1989



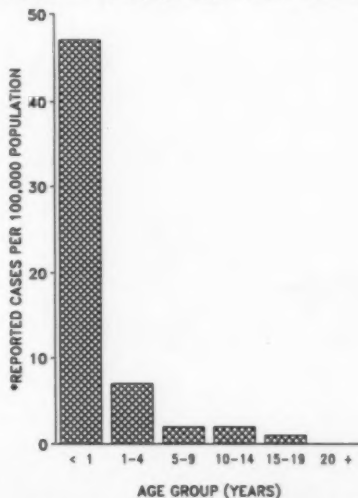
### MUMPS — By year, United States, 1968–1989



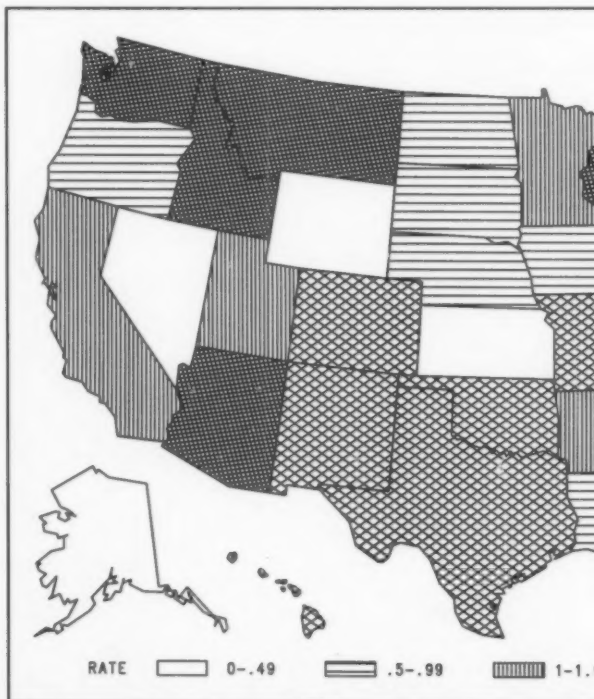
**PERTUSSIS (whooping cough) — By year, United States, 1957–1989**



**PERTUSSIS (whooping cough) — By age group, United States, 1989**

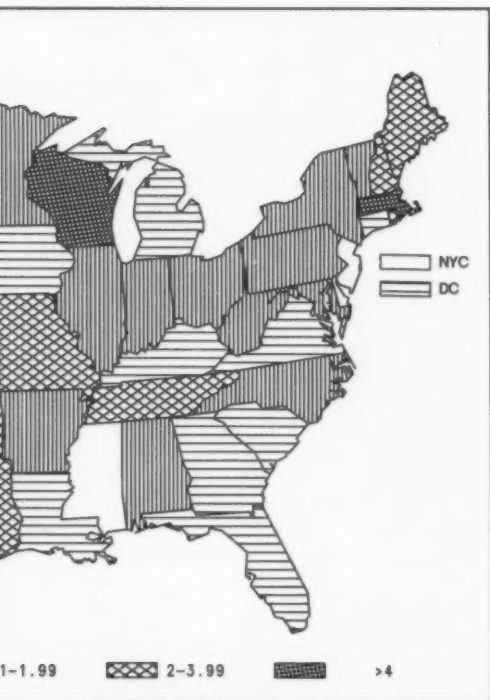


\*Rates were calculated by multiplying the percentage of cases with known age group by total reported cases and dividing by the population in that age group.



000 population, United States, 1989

GRAPHS AND MAPS



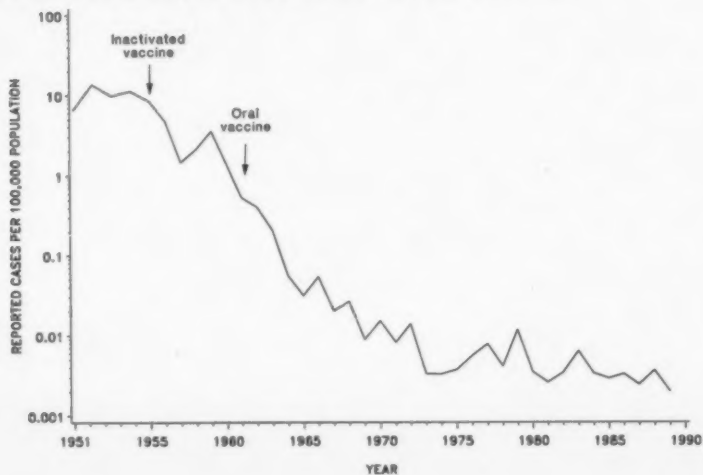




**PLAGUE — In humans, by year, United States, 1955–1989**



**POLIOMYELITIS (paralytic) — By year, United States, 1951–1989**

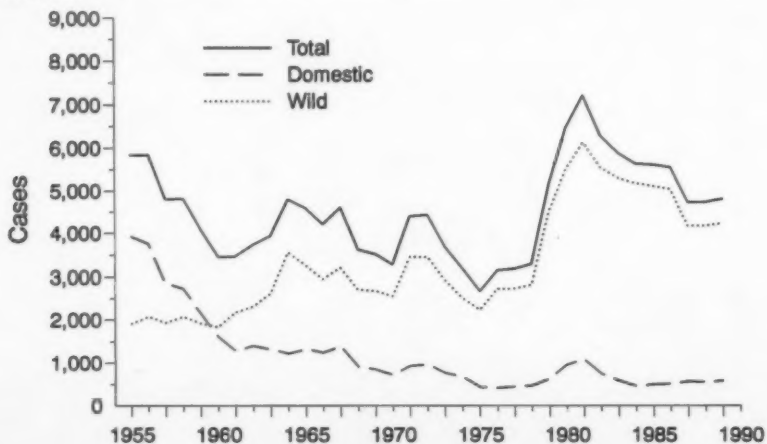


## GRAPHS AND MAPS

**PSITTACOSIS — By year, United States, 1955–1989**



**RABIES — Wild and domestic animals, by year, United States and Puerto Rico, 1955–1989**

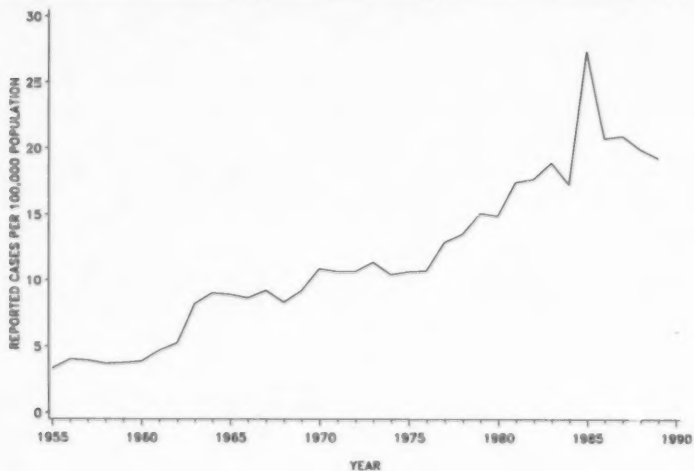


**RUBELLA (German measles) — By year, United States, 1966–1989**

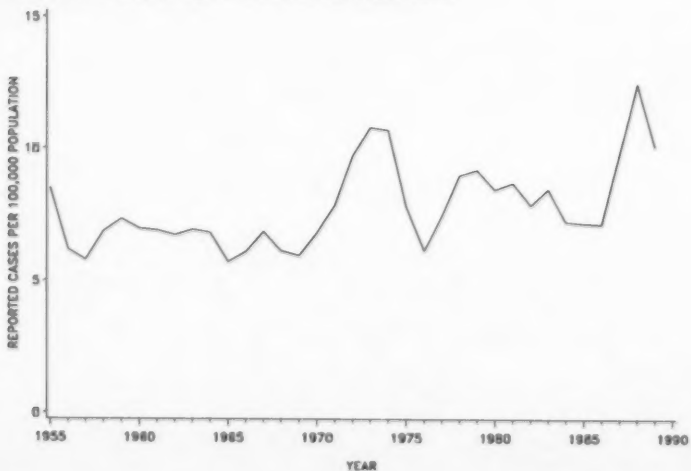


## GRAPHS AND MAPS

### SALMONELLOSIS (excluding typhoid fever) — By year, United States, 1955–1989



### SHIGELLOSIS — By year, United States, 1955–1989

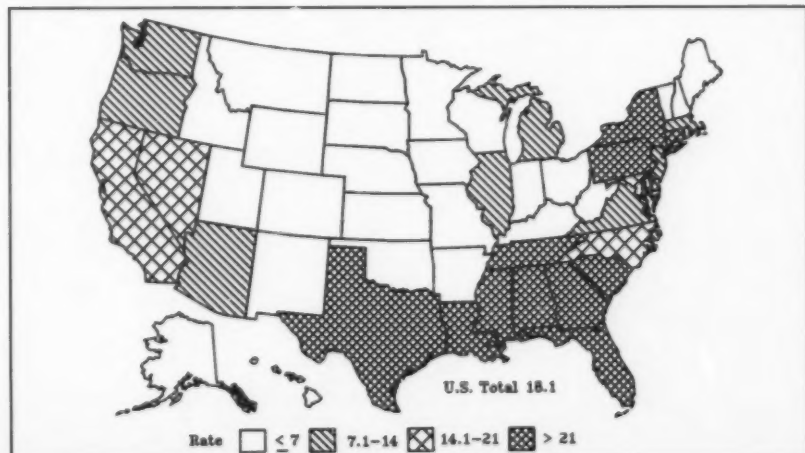


**SYPHILIS (primary and secondary) — By year, United States, 1941–1989\***



\*1941–1946 fiscal years (12-month period ending June 30); 1947–1988 calendar years.

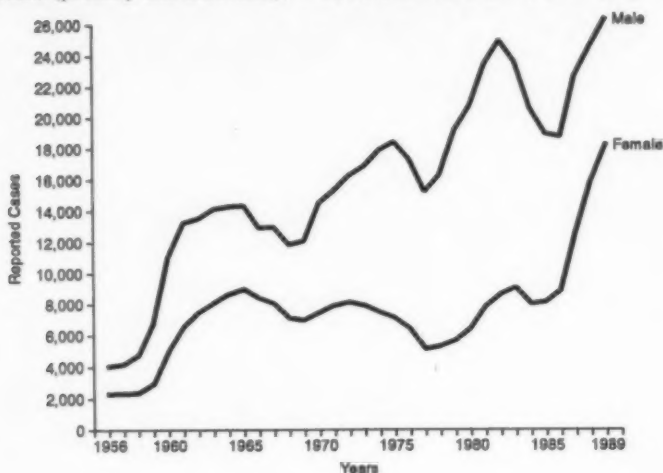
**SYPHILIS (primary and secondary) — By state,\* United States, 1989**



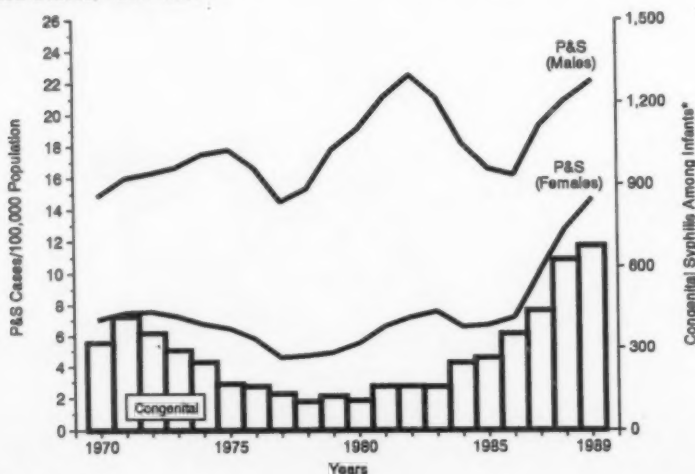
\*Based on reported cases per 100,000 population.

# GRAPHS AND MAPS

**SYPHILIS (primary and secondary) — By sex, United States, 1956–1989**



**SYPHILIS, congenital (under 1 year) and primary and secondary (P&S) — By sex, United States, 1970–1989**

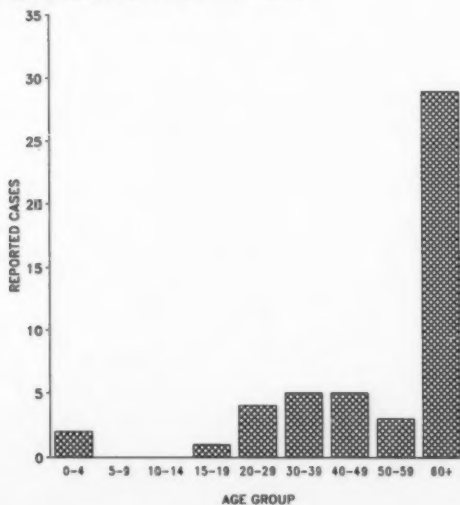


\*Under 1 year of age.

**TETANUS — By year, United States, 1955–1989**

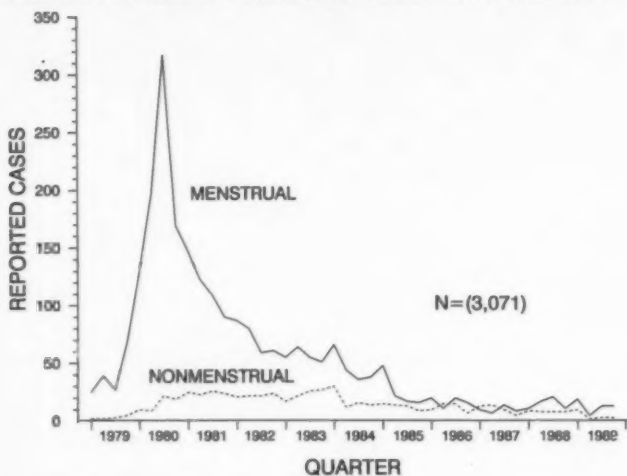


**TETANUS — By age group, United States, 1989**



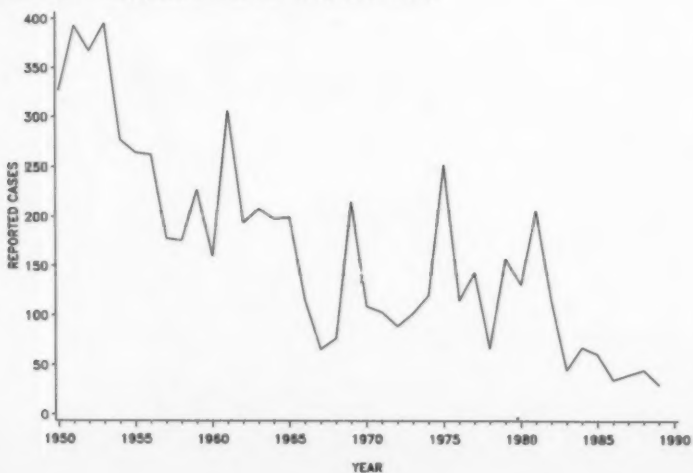
## GRAPHS AND MAPS

### TOXIC-SHOCK SYNDROME — By quarter, United States, 1979–1989\*



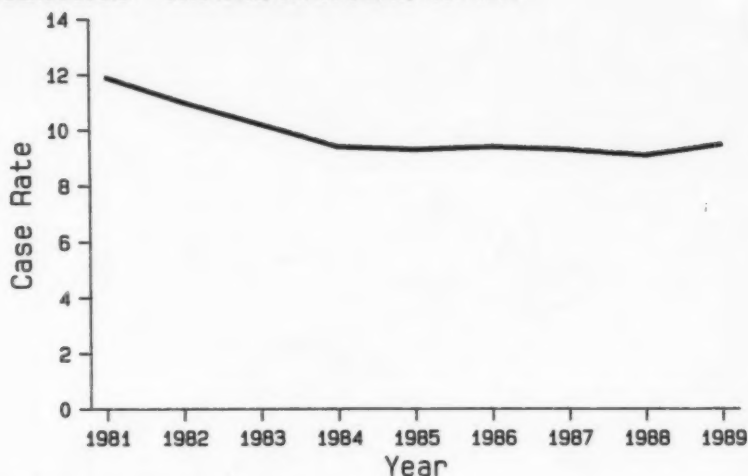
\*Includes only cases meeting the CDC case definition.

### TRICHINOSIS — By year, United States, 1950–1989



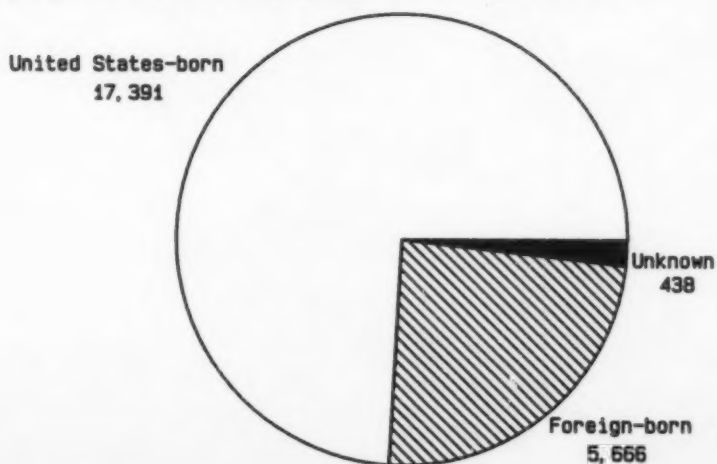


**TUBERCULOSIS — Case rates, United States, 1981–1989**



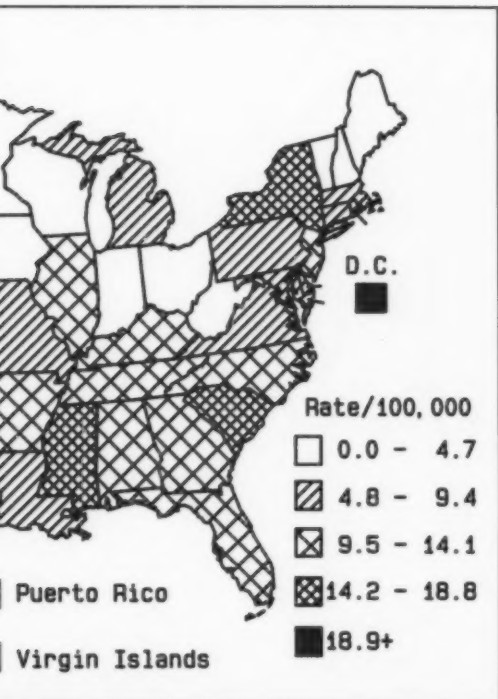
Rate per 100,000 population.

**TUBERCULOSIS — Cases, United States-born and foreign-born, 1989**



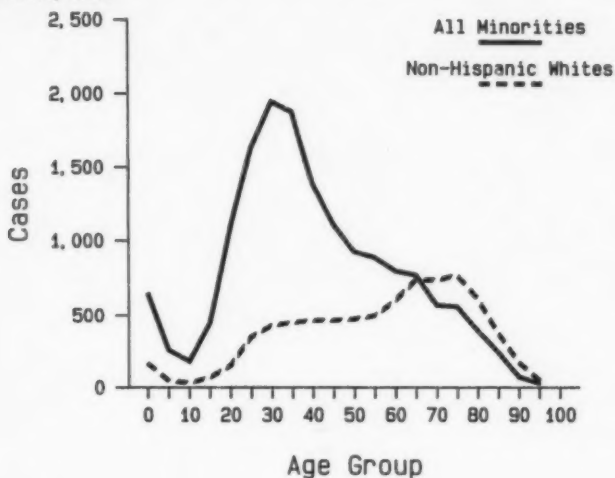
## TUBERCULOSIS — Rates by state, United States, 1989



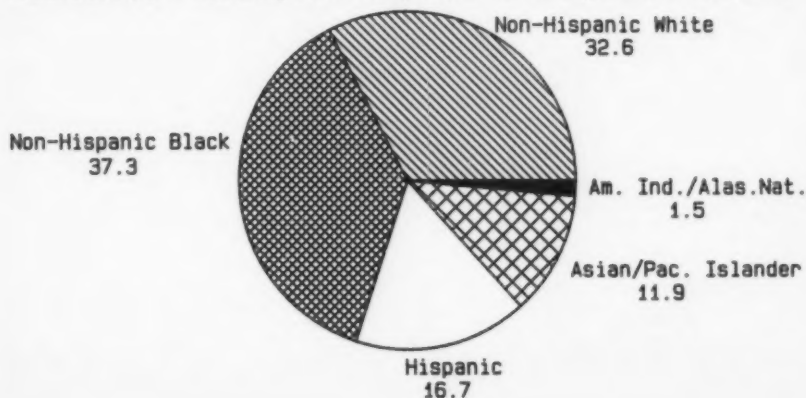




**TUBERCULOSIS — Frequency distribution of cases by age, race, and ethnicity, United States, 1989**



**TUBERCULOSIS — Percentage of cases by race and ethnicity, United States, 1989**

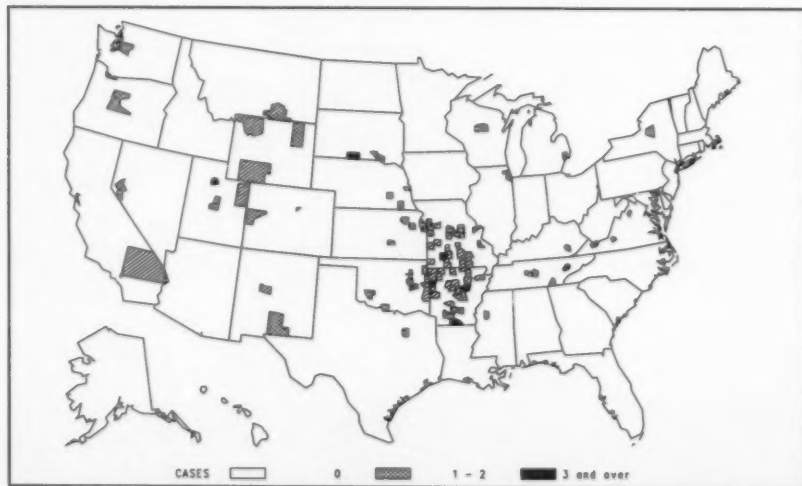


## GRAPHS AND MAPS

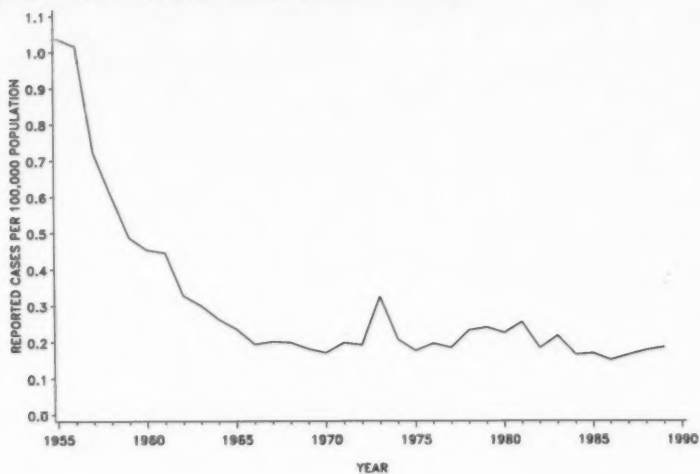
**TULAREMIA — By year, United States, 1955–1989**



**TULAREMIA — Reported cases, by county, United States, 1989**



**TYPHOID FEVER — By year, United States, 1955–1989**



**TYPHUS FEVER, FLEA-BORNE (endemic, murine) — By year, United States, 1955–1989**

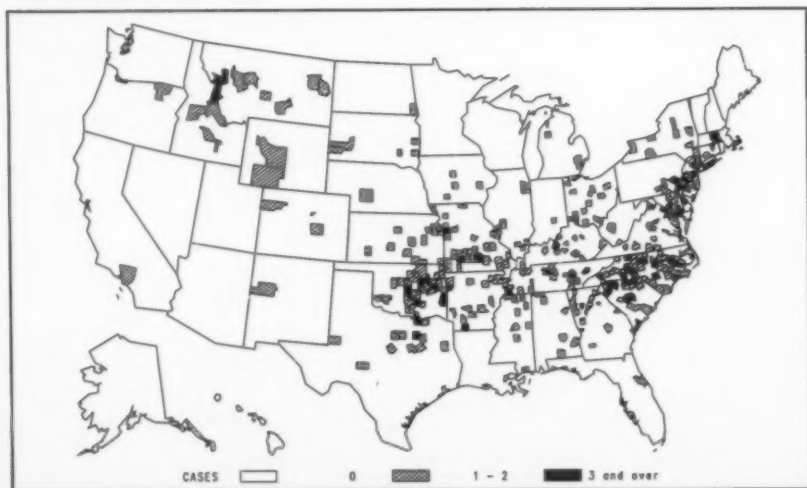


## GRAPHS AND MAPS

**TYPHUS FEVER, TICK-BORNE (Rocky Mountain spotted fever) — By year, United States, 1955–1989**

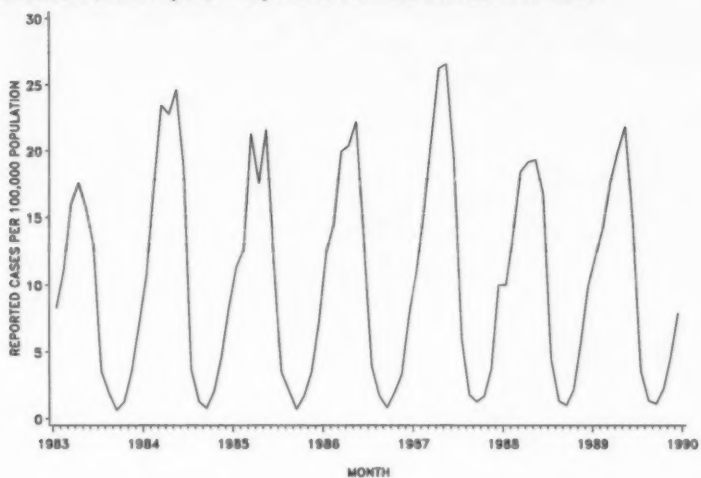


**TYPHUS FEVER, TICK-BORNE (Rocky Mountain spotted fever) — Reported cases, by county, United States, 1989**





**VARICELLA (chickenpox) — By month, United States, 1983–1989**





# **PART 3:**

**Historical  
Summary  
Tables**

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TABLE 1. NOTIFIABLE DISEASES — Summary of reported cases, U.S.

Disease	1989	1988	1987	1986
U.S. total resident population (in thousands) 1980 census, July 1 est. 1981-1989	248,238	245,807	243,400	241,078
Acquired immunodeficiency syndrome (AIDS)	33,722	31,001	21,070	12,932
Amebiasis	3,217	2,880	3,123	3,532
Anthrax	—	2	1	—
Aseptic meningitis	10,274	7,234	11,487	11,274
Botulism, total (including wound and unsp.)	89	84	82	109
Food-borne	23	28	17	23
Infant	60	50	59	79
Brucellosis (undulant fever)	95	96	129	106
Chancroid	4,692	5,091	4,998	3,756
Cholera	—	8	6	23
Diphtheria	3	2	3	—
Encephalitis, primary <sup>a</sup>	NA	NA	1,418	1,302
Indeterminate <sup>a</sup>	NA	NA	NA	NA
Post-infectious <sup>a</sup>	88	121	121	124
Gonorrhea <sup>a</sup>	733,151	719,536	780,905	900,868
Granuloma inguinale <sup>a</sup>	7	11	22	61
Hepatitis A	35,821	28,507	25,280	23,430 <sup>b</sup>
Hepatitis B	23,419	23,177	25,918	26,107 <sup>b</sup>
Hepatitis non-A, non-B	2,529	2,619	2,279	3,634 <sup>b</sup>
Hepatitis, unspecified	306	2,470	3,102	3,840 <sup>b</sup>
Legionellosis <sup>a</sup>	1,190	1,085	1,038	948
Leptospirosis	183	184	238	270
Lympfogranuloma venereum <sup>a</sup>	93	54	43	41
Malaria	180	185	303	396
	1,277	1,099	944	1,123
Measles (rubeola)	18,193	3,396	3,655	6,282
Meningococcal infections, total	2,727	2,964	2,930	2,954
Kerns	5,712	4,868	12,848	7,790
Pertussis (whooping cough)	4,157	3,450	2,823	4,195
Plague	4	15	12	10
Poliovirus <sup>a</sup> , total	5	9	6	8
Paralytic <sup>a</sup>	5	9	6	8
Painful	116	114	98	224
Rabies, animal	4,724	4,651	4,658	5,504
Rabies, human	1	—	—	—
Rheumatic fever, acute	144	158	141	147
Rubella (German measles)	396	225	306	581
Rubella congenital syndrome	3	6	5	14
Salmonellosis (excluding typhoid: er)	47,812	48,340	50,916	49,964
Shigellosis	25,010	30,617	23,880	17,138
Syphilis, primary and secondary <sup>a</sup>	44,540	40,117	35,147	27,883
Total all stages <sup>a</sup>	110,797	103,437	86,945	88,215
Tetanus	53	53	48	54
Toxic-shock syndrome	420	369	372	412
Trichinosis	30	45	40	29
Tuberculosis <sup>a</sup>	23,495	22,436	22,517	22,768
Tuberculosis	182	201	214	170
Typhoid fever (cases)	460	438	400	362
(Carriers)	NA	NA	NA	53
Typhus fever, flea-borne (endemic, murine)	41	54	49	67
Typhus fever, tick-borne (Rocky Mountain spotted)	622	604	604	790
Varicella (chickenpox)	185,441	182,857	213,196	183,243
Yellow fever	—	—	—	—
Last indigenous	—	—	—	—

<sup>a</sup>Not previously notifiable nationally.<sup>b</sup>Civilian cases only.<sup>c</sup>Data for 1984-1989 reflects change in categories for tabulating encephalitis reports. Cases for 1984-1989 for previous years are from surveillance records reported by onset date.<sup>d</sup>Reports from New York City are not available.<sup>e</sup>Data for 1982-1989 recorded by date of report to state health department. Data for all previous years are annual case reports from state health departments prior to 1982; numbers may not reflect change in MMWR 1986;35:180-182). Data for 1986 updated due to retrospective case evaluations.<sup>f</sup>Case data subsequent to 1974 are not comparable to prior years due to changes in reporting criteria.

# ss, United States, 1980-1989

1980	1985	1984	1983	1982	1981	1980
1,078	238,740	236,158	233,981	231,534	229,307	226,505
2,932	8,248	4,445		*		
3,532	4,433	5,252	6,058	7,304	6,632	5,271
--	--	1	--	--	--	1
1,374	10,619	8,326	12,696	9,860	9,547	8,028
108	122	123	133	97	103	89
23	49	19	50	33	22	18
79	70	99	79	61	76	68
108	153	131	200	173	185	183
3,756	2,067	605	847	1,382	850	708
23	4	1	1	--	19	9
--	3	1	5	2	5	3
1,302	1,376	1,257	260	274	317	323
NA	NA	NA	1,401	1,090	1,175	1,039
124	161	108	34	36	43	40
90,888	911,419	878,556	900,435	960,633	960,864	1,004,029
61	44	30	24	17	66	51
23,430 <sup>1</sup>	23,210 <sup>1</sup>	22,040	21,532	23,403	25,802	29,087
26,107 <sup>1</sup>	26,611 <sup>1</sup>	26,115	24,318	22,177	21,152	19,015
3,634 <sup>1</sup>	4,184 <sup>1</sup>	3,871	3,470	2,629	.....	.....
3,940 <sup>1</sup>	5,127 <sup>1</sup>	5,531	7,149	8,554	10,975	11,894
948	830	750	852	684	406	475
270	361	290	259	250	256	222
41	57	40	61	100	82	65
296	226	170	205	235	263	199
1,123	1,049	1,007	813	1,056	1,388	2,062
6,282	2,822	2,587	1,487	1,714	3,124	13,506
2,594	2,479	2,746	2,736	3,056	3,525	2,840
7,790	2,982	3,021	3,355	5,270	4,941	5,576
4,195	3,589	2,276	2,463	1,895	1,248	1,730
10	17	31	40	19	13	18
8	7	8	15	8	6	9
8	7	8	15	8	6	9
224	119	172	142	162	136	124
5,504	5,565	5,567	5,878	6,212	7,118	6,421
	1	3	2		2	--
147	90	117	88	137	264	432
551	630	752	970	2,325	2,077	3,904
14	--	5	22	7	19	50
19,964	65,347	40,861	44,250	40,306	38,990	33,715
17,138	17,057	17,371	19,719	18,129	19,859	19,041
27,883	27,131	26,607	32,690	33,613	31,266	27,204
38,215	67,563	69,888	74,637	75,579	72,789	68,832
64	83	74	91	88	72	95
412	384	462	502		*	
39	61	68	45	115	206	131
22,768	22,201	22,255	23,846	25,520	27,373	27,749
170	177	291	310	275	288	224
262	402	380	507	425	584	510
53	61	54	61	60	73	62
67	37	53	62	58	61	61
785	714	808	1,126	978	1,192	1,163
33,243	178,162	221,983	177,462	167,423	200,766	190,894

..... case reported 1911; last imported, 1924

1984-1989 are recorded by date of report to state health departments

ous years are from surveillance records reported by onset date.

changes based on retrospective case evaluations or late reports (see

g criteria which became effective in 1975.

HISTORICAL TABLES - 1980-1989

TABLE 2. NOTIFIABLE DISEASES -- Summary of reported cases

Disease	1985	1988	1989
Acquired immunodeficiency syndrome (AIDS)	13.58	12.61	8.6
Amebiasis	1.34	1.20	1.3
Anthrax	0.00	0.00	0.0
Aseptic meningitis	4.14	2.94	4.7
Botulism, total	0.04	0.03	0.0
Food-borne	0.01	0.01	0.0
Infant	0.02	0.02	0.0
Brucellosis (undulant fever)	0.04	0.04	0.0
Chancroid	1.90	2.04	2.0
Cholera	0.00	0.00	0.0
Diphtheria	0.00	0.00	0.0
Encephalitis, primary	0.40	0.38	0.5
Post-infectious	0.04	0.05	0.0
Gonorrhea	297.36	298.74	323.1
Granuloma inguinale	9.00	0.00	0.0
Hepatitis A	14.43	11.60	10.3
Hepatitis B	9.43	9.43	10.8
Hepatitis non-A non-B	1.02	1.07	1.2
Hepatitis, unspecified	0.93	1.00	1.2
Legionellosis	0.48	0.44	0.4
Leptospirosis	0.07	0.07	0.1
Lymphogranuloma venereum	0.04	0.02	0.0
Malaria	0.08	0.07	0.1
Measles (rubeola)	0.51	0.45	0.3
Meningococcal infections, total	7.33	1.38	1.9
Mumps	1.10	1.21	1.4
Pertussis (whooping cough)	2.34	2.05	1.4
Plague	1.67	1.40	1.1
Poliomyelitis, total	0.00	0.01	0.0
Paralytic	0.00	0.00	0.0
Psittacosis	0.00	0.05	0.0
Rabies, human	0.05	0.00	0.0
Rheumatic fever, acute	0.13	0.14	0.1
Rubella (German measles)	0.16	0.09	0.1
Rubella congenital syndrome*	0.00	0.00	0.0
Salmonellosis, excluding typhoid fever	19.26	19.91	20.5
Shigellosis	10.07	12.46	9.8
Smallpox	18.07	16.43	14.5
Syphilis, primary and secondary	44.94	42.37	35.8
Total all stages	0.02	0.02	0.0
Tetanus	0.16	0.16	0.1
Toxic-shock syndrome	0.01	0.02	0.0
Trichinosis	9.46	9.13	8.9
Tuberculosis	0.06	0.08	0.4
Tularemia	0.19	0.18	0.1
Typhoid fever (cases)	NA	NA	NA
(Carriers)	0.02	0.02	0.0
Typhus fever, flea-borne (endemic, murine)	0.25	0.25	0.2
Typhus fever, tick-borne (Rocky Mountain spotted)	121.77	122.43	136.6
Varicella (chickenpox)			
Yellow fever			

Note: Rates less than 0.01 after rounding are shown as 0.00.

Population data from those states where diseases were not notifiable in the resident population was used for chancroid, gonorrhea, granuloma inguinale.

\*Not previously notifiable nationally.

†Per 1,000 live births.



# cases per 100,000 population, United States, 1980-1989

1987	1986	1985	1984	1983	1982	1981	1980
8.66	5.36	3.46	1.88		*		
1.33	1.47	1.92	2.30	2.95	3.23	2.96	2.38
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.72	4.72	4.50	3.57	5.49	4.18	4.16	3.61
0.03	0.05	0.05	0.05	0.06	0.04	0.04	0.04
0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.01
0.02	0.03	0.03	0.04	0.03	0.03	0.03	0.03
0.05	0.04	0.06	0.06	0.09	0.07	0.06	0.06
2.07	1.57	0.87	0.28	0.35	0.60	0.37	0.35
0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.58	0.54	0.58	0.53	0.15	0.16	0.14	0.14
0.05	0.05	0.07	0.05	0.01	0.02	0.02	0.02
323.14	376.37	384.51	374.75	387.64	417.45	434.84	444.95
0.01	0.03	0.02	0.01	0.01	0.01	0.03	0.02
10.39	10.02	10.03	9.33	9.20	10.11	11.25	12.84
10.65	11.17	11.50	11.06	10.39	9.58	9.22	8.39
1.23	1.55	1.81	1.64	1.66	1.39	*	5.25
1.27	1.69	2.38	2.34	3.09	3.70	4.79	6.21
0.43	0.43	0.37	0.35	0.43	0.35	0.18	0.21
0.10	0.11	0.15	0.12	0.11	0.11	0.11	0.10
0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.04
0.13	0.16	0.10	0.07	0.14	0.10	0.12	0.09
0.39	0.47	0.44	0.43	0.35	0.46	0.61	0.91
1.50	2.61	1.18	1.10	0.64	0.74	1.36	5.96
1.20	1.08	1.04	1.16	1.17	1.32	1.54	1.25
5.43	3.37	1.30	1.32	1.55	2.46	2.20	3.86
1.16	1.74	1.50	0.96	1.05	0.82	0.54	0.76
0.00	0.00	0.01	0.01	0.02	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
0.04	0.09	0.05	0.07	0.06	0.07	0.06	0.05
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.13	0.12	0.07	0.08	0.06	0.09	0.17	0.30
0.13	0.23	0.26	0.32	0.41	1.00	0.91	1.72
0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
20.92	20.73	27.37	17.30	18.91	17.58	17.44	14.53
9.80	7.11	7.14	7.36	8.43	7.93	8.68	8.41
Last documented case occurred in 1949							
14.54	11.65	11.45	12.20	14.08	14.61	13.72	12.06
35.81	28.50	28.50	29.81	32.13	32.84	31.95	30.51
0.02	0.03	0.03	0.03	0.04	0.04	0.03	0.04
0.15	0.19	0.18	0.24	0.24	*	0.10	0.06
0.02	0.02	0.03	0.03	0.03	0.05	11.94	12.25
9.25	9.44	9.30	9.42	10.19	11.02	0.13	0.10
0.09	0.07	0.07	0.12	0.13	0.12	0.13	0.10
0.16	0.15	0.17	0.17	0.22	0.18	0.25	0.23
N/A	0.02	0.03	0.03	0.03	0.03	0.03	0.03
0.02	0.03	0.02	0.02	0.03	0.03	0.03	0.04
0.25	0.32	0.30	0.36	0.48	0.42	0.52	0.52
136.68	122.42	123.23	138.44	99.65	94.37	100.48	96.69
Last indigenous case reported 1911; last imported, 1924							

HISTORICAL TABLES - 1980-1989

able (NN) or not available (NA) were excluded from rate calculation. Civilian  
ma inguinale, lymphogranuloma venereum, and syphilis.

TABLE 3. NOTIFIABLE DISEASES—Summary of reported

Disease	1979	1978
U.S. total resident population, July 1, estimate (in thousands)	220,099	218,059
Amoebiasis	4,107	3,937
Anthrax	—	6
Aseptic meningitis	8,754	6,573
Botulism	45	105
Brucellosis (undulant fever)	215	179
Chancroid	840	521
Cholera	1	12
Diphtheria	59	76
Encephalitis, primary	1,504	1,351
Encephalitis, post-infectious	84	78
Gonorrhea	1,004,058	1,013,436
Granuloma inguinale	76	72
Hepatitis, serum	15,452	15,016
Hepatitis, infectious	30,407	29,500
Hepatitis, unspecified	10,534	8,776
Legionellosis	593	761
Leprosy	185	168
Leptospirosis	94	110
Lymphogranuloma venereum	250	284
Malaria	894	731
Measles (rubeola)	13,597	26,871
Meningococcal infections	2,724	2,505
Mumps	14,225	16,817
Pertussis (whooping cough)	1,623	2,063
Plague	13	12
Poliomyelitis, total	34	15
Paralytic	26	9
Psittacosis	137	140
Rabies, animal	5,119	3,254
Rabies, human	4	4
Rheumatic fever, acute	629	851
Rubella (German measles)	11,795	18,269
Rubella congenital syndrome	62	30
Salmonellosis, excluding typhoid fever	33,138	29,410
Shigellosis (bacillary dysentery)	20,135	19,511
Smallpox	—	—
Streptococcal sore throat and scarlet fever	NN	NN
Syphilis, primary and secondary	24,874	21,656
Total, all stages	67,040	64,875
Tetanus	81	86
Trichinosis	157	67
Tuberculosis (newly reported active cases) <sup>1</sup>	27,669	28,521
Tularemia	196	141
Typhoid fever	528	505
Typhus fever, flea-borne (endemic, murine)	69	46
Typhus fever, tick-borne (Rocky Mountain spotted)	1,070	1,063
Varicella (chickenpox)	199,081	154,089
Yellow fever	—	—

\*Not previously notifiable nationally.

<sup>1</sup>Case data subsequent to 1974 are not comparable to prior years.

# ated cases, United States, 1970-1979

78	1977	1976	1975	1974	1973	1972	1971	1970
59	216,332	214,659	213,121	211,390	209,851	208,232	206,256	203,805
37	3,044	2,906	2,775	2,743	2,235	2,199	2,752	2,888
6	—	2	2	2	2	2	5	2
73	4,789	3,510	4,475	3,197	4,846	4,634	5,176	6,480
05	129	55	20	28	34	22	25	12
79	232	296	310	240	202	196	183	213
21	455	628	700	945	1,165	1,414	1,320	1,416
12	3	—	—	—	1	—	1	—
76	84	128	307	272	228	152	215	435
51	1,414	1,651	4,064	1,164	1,613	1,059	1,524	1,580
78	119	175	237	218	354	243	439	370
36	1,002,219	1,001,994	999,937	906,121	842,621	767,215	670,268	600,072
72	75	71	60	47	62	81	88	124
16	16,831	14,973	13,121	10,631	8,451	9,402	9,556	8,310
00	31,153	33,288	35,855	40,358	50,749	54,074	59,606	56,797
76	8,639	7,488	7,158	8,351	—	—	—	—
61	359	235	—	—	—	—	—	—
68	151	145	162	118	146	130	131	129
10	71	73	93	68	57	41	62	47
84	348	365	353	394	408	756	692	612
31	547	471	373	293	237	742	2,375	3,051
71	57,345	41,126	24,374	22,094	26,690	32,275	75,290	47,351
05	1,828	1,605	1,478	1,346	1,378	1,323	2,262	2,505
117	21,436	38,492	59,647	59,128	69,612	74,215	124,939	104,953
83	2,177	1,010	1,738	2,402	1,759	3,287	3,036	4,249
12	18	16	20	8	2	1	2	13
15	18	14	8	7	8	31	21	33
9	17	12	8	7	7	29	17	31
40	94	78	49	164	33	52	32	35
54	3,130	3,073	2,627	3,151	3,640	4,369	4,310	3,224
4	1	2	2	—	1	2	2	3
51	1,738	1,865	2,854	2,431	2,560	2,614	2,793	3,227
30	20,395	12,491	16,652	11,917	27,804	25,507	45,086	56,552
9	23	30	30	45	35	42	68	77
110	27,850	22,937	22,612	21,980	23,818	22,151	21,928	22,096
111	16,052	13,140	16,584	22,600	22,642	20,207	16,143	13,845
Last documented case occurred in 1949								
NN	NN	NN	NN	NN	NN	NN	NN	433,405
556	20,399	23,731	25,561	25,385	24,825	24,429	23,783	21,982
875	64,621	71,761	80,356	83,771	87,469	91,149	95,997	91,382
86	87	75	102	101	101	128	116	148
67	143	115	252	120	102	89	103	109
521	30,145	32,105	33,989	30,122	30,998	32,882	35,217	37,137
141	165	157	129	144	171	152	187	172
505	398	419	375	437	680	398	407	346
46	75	69	41	26	32	18	23	27
063	1,153	937	844	754	668	523	432	380
989	188,396	183,990	154,248	141,495	182,927	164,114	—	—
Last indigenous case reported 1911, last imported 1924								

HISTORICAL TABLES — 1970-1979

years due to changes in reporting criteria which became effective in 1975.

TABLE 4. NOTIFIABLE DISEASES — Summary of reported cases, U.S.

Disease	1969	1968	1967
U.S. total resident population, July 1, estimate (in thousands)	201,385	199,399	197,457
Amebiasis	2,915	3,005	3,157
Anthrax	4	3	2
Aseptic meningitis	3,672	4,494	3,082
Botulism	16	7	5
Brucellosis (undulant fever)	235	218	265
Chancroid	1,104	845	784
Cholera	—	—	—
Diphtheria	241	260	219
Encephalitis, primary	1,613	1,781	1,478
post-infectious	304	502	1,060
Gonorrhea	534,872	464,543	404,836
Granuloma inguinale	154	156	154
Hepatitis, infectious and serum	54,325	50,722	41,367
Leprosy	98	123	81
Leptospirosis	89	69	67
Lymphogranuloma venereum	520	485	371
Malaria	3,102	2,317	2,022
Measles (rubeola)	25,826	22,231	62,705
Meningococcal infections	2,951	2,623	2,161
Mumps	90,918	152,209	—
Pertussis (whooping cough)	3,285	4,810	9,718
Plague	5	3	3
Poliomyelitis	20	53	41
Paralytic	10	53	40
Psittacosis	57	43	21
Rabies, human <sup>1</sup>	1	1	2
Rabies, animal	3,490	3,591	4,481
Rheumatic fever, acute	3,229	3,470	3,985
Rubella (German Measles)	57,686	49,371	46,888
Rubella congenital syndrome	31	14	10
Salmonellosis, excluding typhoid fever	18,419	16,514	18,120
Shigellosis	11,946	12,180	13,474
Smallpox	—	—	—
Streptococcal sore throat and scarlet fever	450,008	435,013	453,351
Syphilis, primary and secondary	19,130	19,019	21,053
Total, all stages	92,162	95,271	102,581
Tetanus	192	178	263
Trichinosis	215	77	65
Tuberculosis**	39,120	42,623	45,647
Tularemia	149	105	184
Typhoid fever	364	395	396
Typhus fever, flea-borne (endemic, murine)	36	36	52
Typhus fever, tick-borne (Rocky Mountain spotted)	498	298	305
Yellow fever	—	—	—

\*Includes meningitis, other for some states.

<sup>1</sup>Includes primary and post-infectious cases.

<sup>2</sup>Not previously notifiable nationally.

<sup>3</sup>Registered deaths, 1960.

\*\*Includes new active cases.

es, United States, 1960-1969

	1966	1965	1964	1963	1962	1961	1960
7	195,576	193,526	191,141	188,483	185,771	182,992	179,979
7	2,921	2,768	3,304	2,886	3,048	2,850	3,424
2	5	7	5	3	9	14	23
2	3,059	2,329	2,177	1,844	2,054	5,162*	1,593
5	9	19	23	47	10	14	12
4	262	262	411	407	409	636	751
4	838	982	1,247	1,220	1,344	1,436	1,680
9	200	154	293	314	444	617	918
8	2,121	1,722	2,002	1,993†	2,094†	2,248†	2,341†
0	964	981	1,585	—	—	—	—
6	351,736	324,525	300,666	278,289	263,714	264,158	258,933
4	148	155	135	173	207	241	296
7	34,356	33,856	37,740	42,974	53,016	72,851	41,666
1	109	96	97	103	80	63	54
7	72	84	142	89	79	71	53
1	308	878	732	586	590	787	835
2	565	147	83	99	118	73	72
5	204,136	261,904	458,083	385,156	481,530	423,919	441,703
1	3,381	3,040	2,826	2,470	2,150	2,232	2,259
8	7,717	6,799	13,005	17,135	17,749	11,468	14,809
3	5	8	—	1	—	3	2
1	113	72	122	449	910	1,312	3,190
0	106	61	106	395	762	986	2,525
1	50	60	53	76	79	102	113
2	1	2	1	1	2	3	2
1	4,178	4,574	4,780	3,929	3,732	3,599	3,567
5	4,472	4,998	7,491	7,561	7,977	10,470	9,022
0	46,975	—	—	—	—	—	—
0	11	—	—	—	—	—	—
0	16,841	17,161	17,144	15,390	9,680	8,542	6,929
4	11,888	11,027	12,984	13,009	12,443	12,571	12,487
Last documented case occurred in 1949							
1	427,752	395,168	402,334	342,161	315,809	338,410	315,173
3	21,414	23,338	22,969	22,251	21,067	19,851	16,145
1	105,159	112,847	114,325	124,137	126,245	124,658	122,538
3	235	300	289	325	322	379	368
0	115	199	186	208	194	306	160
7	47,767	49,016	50,874	54,042	53,315	53,726	55,494
4	208	264	342	327	328	365	390
6	378	454	501	566	608	814	816
2	33	28	30	35	32	46	68
5	268	281	277	216	240	219	204
Last indigenous case reported 1911; last imported, 1924							

HISTORICAL TABLES — 1960 — 1969

**TABLE 5. NOTIFIABLE DISEASES — Summary of reported cases in Hawaii 1950–1959)**

Disease	1959	1958	1957
U.S. total resident population, July 1, estimate (in thousands)	176,513	173,320	170,310
Amebiasis	3,508	4,380	5,140
Anthrax	12	16	2
Botulism	20	6	1
Brucellosis (undulant fever)	892	924	1,040
Chancroid	1,537	1,595	1,710
Cholera	—	—	—
Dengue	—	—	—
Diphtheria	934	918	1,040
Encephalitis, acute infectious	2,437	2,587	2,710
Gonorrhea	240,254	232,386	214,410
Granuloma inguinale	285	314	340
Hepatitis, infectious*	23,574	16,294	14,410
Leprosy	44	39	34
Leptospirosis	83	55	50
Lymphogranuloma venereum	604	434	390
Malaria	71	85	90
Measles	406,162	763,094	486,110
Meningococcal infections	2,160	2,501	2,610
Pertussis (whooping cough)	40,005	32,148	28,110
Plague	4	—	—
Polio myelitis, total	8,425	5,787	5,140
Paralytic	6,289	3,697	2,710
Parittacosis	147	158	160
Rabies, human†	7	5	4
Rabies, animal‡	4,177	4,787	4,910
Rheumatic fever, acute	8,285	8,889	9,410
Salmonellosis, excluding typhoid fever	6,006	6,363	6,710
Shigellosis (bacillary dysentery)	12,888	11,861	9,410
Smallpox	—	—	—
Streptococcal sore throat and scarlet fever	334,715	264,097	226,110
Syphilis, primary and secondary	9,799	7,176	6,710
Total, all stages	120,824	113,884	123,410
Tetanus	445	445	445
Trichinosis	227	176	176
Tuberculosis**	57,535	63,534	67,110
Tularia	459	587	640
Typhoid fever	859	1,043	1,110
Typhus fever, flea-borne (endemic, murine)	51	71	71
Typhus fever, tick-borne (Rocky Mountain spotted)	199	243	243
Yellow fever	—	—	—

\*Data for 1953-1959 includes serum hepatitis.

†Registered deaths.

‡Data from Bureau of Animal Industry, U.S. Department of Agriculture.

\*Not previously notifiable nationally.

\*\*Includes newly reported active and inactive cases, 1950-1951; new

d cases, United States, 1950-1959 (Figures exclude Alaska 1950-1958

1957	1956	1955	1954	1953	1952	1951	1950
170,371	167,306	164,308	161,164	158,242	155,687	153,310	151,235
5,031	3,689	3,348	3,523	4,444	4,280	3,550	4,568
26	38	39	22	45	47	60	49
28	17	16	18	18	18	33	20
983	1,300	1,444	1,823	2,032	2,537	3,139	3,510
1,637	2,135	2,649	3,003	3,338	3,738	4,233	4,977
-	-	-	-	-	-	-	-
-	2	1	6	8	5	16	26
1,211	1,568	1,984	2,041	2,355	2,960	3,983	5,796
2,135	2,624	2,166	2,606	1,935	1,912	1,123	1,135
214,496	224,346	236,197	242,050	238,340	244,957	254,470	286,746
348	357	490	618	667	951	1,352	1,783
14,922	19,234	31,961	50,093	33,700	17,428	7,349	2,820
36	52	75	56	60	57	57	44
47	44	24	48	42	62	9	30
448	500	762	875	983	1,200	1,300	1,427
132	234	522	715	1,310	7,023	5,600	2,184
486,799	611,536	555,156	682,720	449,146	683,077	530,118	319,124
2,691	2,735	3,455	4,436	5,077	4,894	4,164	3,788
28,295	31,732	62,786	60,886	37,129	45,030	68,687	120,718
1	1	-	-	-	-	1	3
5,485	15,140	28,985	38,476	35,592	57,879	28,386	33,300
2,499	7,911	13,850	18,308	15,648	21,269	10,037	NA
278	568	334	563	169	135	25	26
5	10	4	13	12	24	18	18
4,542	5,681	5,799	7,297	8,903	8,445	8,008	7,901
6,427	6,562	-	-	-	-	-	-
6,693	6,704	5,447	5,375	3,946	2,596	1,773	1,233
9,822	10,306	13,912	13,846	16,533	23,197	32,215	23,367
226,973	176,392	147,502	147,785	132,935	113,677	84,151	64,494
6,576	6,392	6,454	7,147	8,637	10,440	14,485	23,939
123,758	130,201	122,392	130,697	148,573	167,762	174,924	217,558
447	468	462	524	506	484	506	486
178	262	264	277	395	367	393	327
67,149	69,895	77,368	79,775	84,304	86,700	118,491	121,742
601	522	584	681	601	668	702	927
1,231	1,700	1,704	2,169	2,252	2,341	2,128	2,484
113	98	135	163	221	206	378	685
240	293	295	294	313	327	347	464

..... Last indigenous case reported 1911; last imported, 1924

HISTORICAL TABLES - 1950-1959

culture, Agricultural Research Administration, 1950-1951.

new active cases, 1952-1959.

TABLE 6. NOTIFIABLE DISEASES — Summary of reported cases

Disease	1949	1948	1947
U.S. total resident population, July 1, estimate (in thousands)	148,665	146,093	143,446
Amebiasis	5,543	4,871	3,365
Anthrax	54	60	69
Botulism	24	30	44
Brucellosis (undulant fever)	4,235	4,991	6,321
Chancroid*	6,707	7,661	9,515
Cholera	—	—	—
Dengue	46	24	35
Diphtheria	7,969	9,493	12,262
Encephalitis, acute infectious	903	730	785
Gonorrhea*	317,950	345,501	380,666
Granuloma inguinale*	2,402	2,409	2,330
Hepatitis, infectious	2,027	709	1,092
Leprosy	41	63	56
Leptospirosis	17	18	14
Lymphogranuloma venereum*	1,925	2,429	2,526
Malaria	4,151	9,606	15,116
Measles	625,281	815,104	222,375
Meningococcal infections	3,519	3,378	3,420
Pertussis (whooping cough)	69,479	74,715	156,517
Plague	3	—	1
Poliomyelitis, acute	42,033	27,726	10,827
Psittacosis	35	32	27
Rabies, human†	10	24	26
Rabies, animal†	7,587	8,495	8,920
Salmonellosis	1,243	882	951
Shigellosis (bacillary dysentery)	29,080	23,753	17,048
Smallpox	49	57	176
Streptococcal sore throat and scarlet fever	87,220	91,295	93,595
Syphilis, primary and secondary*	41,942	60,174	93,545
Total, all stages*	256,463	314,313	355,592
Tetanus	579	601	560
Trichinosis	353	467	461
Tuberculosis†	134,665	137,006	134,546
Tularia	1,178	1,086	1,401
Typhoid fever**	2,795	2,840	3,075
Typhus fever, flea-borne (endemic, murine)	985	1,171	2,050
Typhus fever, tick-borne (Rocky Mountain spotted)	570	547	596
Yellow fever	—	—	—

\*Data reported for fiscal years, 1940–1946.

†Registered Deaths.

‡Data from Bureau of Animal Industry, U.S. Department of Agriculture.

\*Includes newly reported active and inactive cases.

\*\*Includes cases of paratyphoid 1940–1941.



# Cases, United States, 1940-1949

1947	1946	1945	1944	1943	1942	1941	1940
43,446	140,054	132,481	132,885	134,245	133,920	133,121	131,954
3,365	4,093	3,412	3,241	3,329	2,721	3,201	3,033
69	40	40	49	72	94	104	76
44			NA				
6,321	5,887	5,049	4,436	3,733	3,228	3,484	3,310
9,515	7,091	5,515	7,878	8,354	5,477	3,384	NA
—	40	106	—	—	—	—	—
26	—	—	61	123	171	600	66
12,262	16,354	18,675	14,150	14,811	16,280	17,987	15,536
785	728	785	768	771	666	3,516	1,030
80,666	368,020	287,181	300,676	275,070	212,403	193,468	175,841
2,330	2,232	1,857	1,759	1,748	1,278	639	NA
1,092			NA	NA			
56	43	40	37	35	70	NA	NA
14			NA				
2,526	2,603	2,631	2,858	2,593	1,888	1,301	NA
15,116	48,610	62,763	57,626	54,554	60,077	68,074	78,129
22,375	659,843	146,013	630,291	633,627	547,413	894,134	291,162
3,420	5,693	8,208	16,312	18,223	3,823	2,006	1,653
56,517	109,860	133,792	109,873	191,890	191,383	222,202	183,866
1	—	—	1	1	1	2	1
10,227	25,698	13,624	19,029	12,450	4,167	9,086	9,804
27	26	27	6	1	23	11	NA
26	34	43	56	47	36	39	41
8,920	10,850	9,928	10,487	9,649	7,137	7,847	7,210
951	723	649	712	731	504	NA	NA
17,048	24,286	34,943	38,230	31,590	25,572	18,972	17,501
176	317	346	397	765	865	1,396	2,795
93,595	125,511	185,570	200,539	150,362	135,755	139,424	165,766
93,545	94,957	77,007	78,443	82,204	75,312	68,231	NA
55,592	963,647	359,114	467,755	575,593	479,601	485,560	472,900
560			NA				
451			NA				
34,946	119,256	114,931	128,294	120,253	117,204	105,567	102,984
1,401	1,355	900	781	966	1,624	1,530	1,620
3,075	3,268	4,211	4,599	4,690	5,595	8,601	9,809
2,050	3,365	5,193	5,401	4,528	3,736	2,784	1,878
596	587	472	470	473	498	516	457
..... Last indigenous case reported 1911; last imported, 1924							

HISTORICAL TABLES — 1940-1949

ture, Agricultural Research Administration.

**TABLE 7. NOTIFIABLE DISEASES — Deaths from specified statistics column refer to the category numbers listed in the Ni**

Cause of Death	ICD	1987	1990
AIDS*	*042.*044	13,468	10,900
Amebiasis	006	9	8
Anthrax	022	-	-
Botulism, foodborne	005.1	-	1
Brucellosis	023	1	1
Chancroid	099.0	-	-
Cholera	001	1	-
Diphtheria	032	1	-
Encephalitis, acute infectious†	062-064,049	146	230
Gonococcal infections	098	7	7
Granuloma inguinale	099.2	-	-
Hepatitis, viral, infectious (Hepatitis A)	070.0,070.1	77	85
Hepatitis, viral, serum (Hepatitis B)	070.2,070.3	595	557
Hepatitis, viral, other and unsp.	070.4-070.9	510	384
Leprosy	030	1	1
Leptospirosis	100	1	-
Lymphogranuloma venereum	099.1	-	-
Malaria	084	5	5
Measles (rubella)	055	2	2
Meningococcal infection	036	258	286
Mumps	072	2	-
Pertussis (whooping cough)	033	1	6
Plague	020	1	-
Poliomyelitis	045.0-045.9	-	-
Bulbar or polioencephalitis	045.0	-	-
With other paralysis	045.1	-	-
Non-paralytic	045.2	-	-
Unspecified	045.9	-	-
Psittacosis (ornithosis)	073	2	-
Rabies	071	1	-
Rheumatic fever, acute	390-392	42	60
Rubella (German measles)	056	-	1
Salmonellosis, including paratyphoid fever	002.1-002.9,003	105	102
Shigellosis	004	13	4
Syphilis	090-097	98	80
Tetanus	037	16	22
Trichinosis	124	-	-
Tuberculosis (all forms)	010-018	1,755	1,782
Tularemia	021	4	4
Typhoid fever	002.0	2	2
Typhus fever, flea-borne (endemic-murine)	081.0	-	-
Typhus fever, tick-borne (Rocky Mountain spotted)	082.0	21	19
Varicella (chickenpox)	052	89	47

\*For 1983-1986, deaths are estimated from death certificates with mention of condition.  
†Arthropod-borne encephalitis and other non-arthropod-borne viral diseases of the central  
Source: National Center for Health Statistics, CDC, National Vital Statistics System, 1978-  
Ninth Revision, ICD, for 1979-1987. Discontinuities for some causes may result due to the is

ified notifiable diseases, United States, 1978-1987 (Numbers in ICD  
the Ninth Revision of the International Classification of Diseases, 1975. )

1986	1985	1984	1983	1982	1981	1980	1979	1978
10,900	6,040	2,943	1,141	N/A	N/A	N/A	N/A	N/A
8	10	10	21	7	16	22	19	14
-	-	-	-	-	-	-	-	-
1	4	4	7	4	3	5	2	5
1	1	-	-	2	1	-	2	3
-	-	-	-	-	-	-	-	-
-	1	-	-	-	3	1	-	-
-	-	-	-	1	-	1	1	4
230	153	168	169	166	164	189	172	185
7	2	3	4	6	4	7	1	9
-	-	-	-	-	-	1	1	1
65	80	77	82	83	93	112	129	-
557	490	465	438	375	359	294	280	508
384	372	327	343	356	410	403	364	-
1	2	6	3	3	2	-	3	4
-	4	-	5	4	5	2	4	5
-	3	-	-	1	1	1	1	-
5	13	7	3	2	7	-	3	5
2	4	1	4	2	2	11	6	11
286	257	300	299	364	459	387	404	403
-	-	1	2	2	1	2	2	3
6	4	7	5	4	6	11	6	6
-	1	3	5	3	3	5	2	-
-	3	-	-	-	-	6	4	13
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	2	1	1
-	-	-	-	-	-	-	-	-
-	3	-	-	-	-	4	3	12
-	1	-	1	-	-	-	-	1
-	-	2	-	-	1	-	4	2
60	56	70	87	77	96	109	114	138
1	1	1	3	4	5	1	1	10
102	117	90	82	89	105	89	70	79
4	17	8	9	9	11	15	19	20
80	80	105	121	126	136	154	180	169
22	23	20	22	22	31	28	30	32
-	1	-	-	-	-	1	2	-
1,782	1,752	1,729	1,779	1,807	1,937	1,978	2,007	2,914
4	3	2	1	2	1	3	2	-
2	-	-	3	2	2	2	3	2
-	1	-	-	-	-	-	-	-
19	22	34	35	40	30	38	32	30
47	68	53	57	61	84	78	103	91

conditions coded to Deficiency of cell-mediated immunity (ICD-9 No. 279.1). Includes other human  
deficiency of cell-mediated immunity. (The asterisks in Column 1 pertain to the ICD code, not a footnote.)

central nervous system.

1978-1987. Deaths are classified according to the Eighth Revision, ICD, for 1978 and according to the  
the introduction of the Ninth Revision.

HISTORICAL TABLES - 1978-1987







## State and Territorial Epidemiologists and Laboratory Directors

State and Territorial Epidemiologists and Laboratory Directors are gratefully acknowledged for their contributions to this report. The persons listed below were in the positions shown as of July 1990.

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